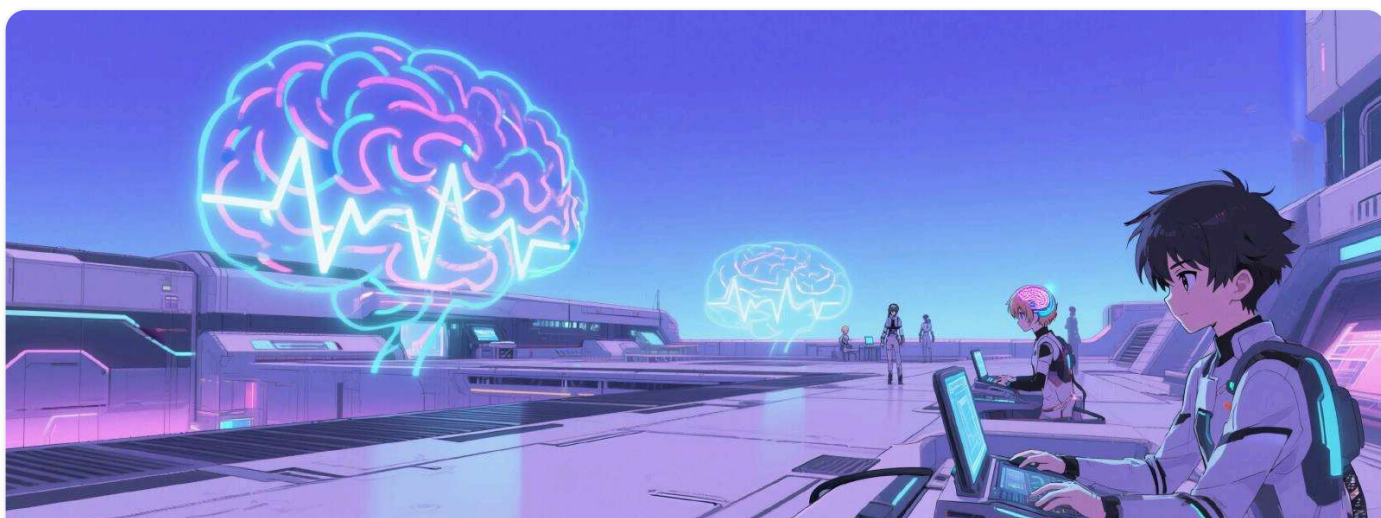




亦蔚然

欢迎来到我的博客



调查

控脑技术不再科幻：靠谱线索汇总

探寻“我的大脑被控制了”背后的东西

📅 2026-03-16 ⌚ 阅读时长: 11 分钟

1.控脑技术定义、原理和新技术情况

中国军网《脑科学的昨天、今天和明天》写到**控脑技术**，通常指的是通过物理、化学等手段，对人脑与神经产生影响，从而影响人的精神、意识、心理、行为，或产生幻觉、幻视、幻听等效应的技术。控脑技术的基本原理是：首先，通过某种特殊手段，采集人脑电波特征码，并用电脑的译码软件进行解码，从脑电波信号中分离出视觉、听觉、语言、情感等各种神经活动信号，并记录在电脑中。其次，用电脑根据脑电波特征码进行编码，之后将信息用特定方式直接写入大脑，从而通过控制脑电波而控制人的大脑。



控脑技术定义、原理.jpg

陆军军医大学（罗旭）《控脑技术发展及军事应用预测研究》论文对控脑技术的介绍



控脑技术发展及军事应用预测研究.png

中国军网《脑控武器的制胜之道》提及新的控脑技术无需在人脑中植入芯片，电磁波、光线、声波、气味等都可以成为媒介。

脑控武器的制胜之道 - 中国国防网

www.81.cn/gfbmap/content/2019-01/15/content_225285.htm

中国军网 国防部网
2019年1月15日 星期二

新的 | 2/2 | 此页面说了关于“新的”的什么内容?

国军网
www.81.cn

往期回顾 | 上一期 | 下一期

借助脑控技术，人类已经具备为人脑“编程”的能力：向目标大脑植入对自己有利的信息，改变其记忆、思维乃至信仰，进而控制其行为。而控脑武器则可理解为建立在人脑信息进行获取、解读、传播和控制基础上的“制脑术”，目的在于直接影响和控制对方的思维。控脑武器的致幻效应已不乏战例印证，与昔日战场上漫天撒传单不同，控脑武器的作战效能更加简单高效，可让战场上的敌人在“自杀”“逃跑”“投降”等信号诱导下主动放弃抵抗。

新的控脑技术无需在人脑中植入芯片，电磁波、光线、声波、气味等都可以成为媒介。作为控脑领域的拓荒人，美国的脑控技术远超出我们所知。据透露，目前的研究已取得关键进展。例如，美军方此前研制出新型非致命武器“主动回避系统”，通过发射高频电磁波令被攻击者仿佛“置身于烤箱之中”。美国国防部曾研制出一款“读心头盔”，用来“阅读”对方的脑部活动。美空军研究实验室还具备向大脑中直接输入语句的能力。另外，美军的新型心理幻觉武器能在战场任何地面和大气层中映射出虚假影像，压倒对方的反抗意志。据媒体报道，在伊拉克战场上，美国曾屡次将“上帝的声音”输送到伊拉克反政府武装组织人员的大脑中，引导其放弃抵抗甚至主动缴械投降。不仅是美国，俄罗斯在控脑武器研究方面也可谓历史悠久，上世纪50年代就着手研究远程控制人类思想。近期，俄正加紧研制“僵尸枪”，通过扰乱目标的中枢神经系统，使之完全受控于人。

慎控脑与反脑控

脑控武器的快速发展引发人们对战争伦理的思考。一方面，人类可以通过脑控武器以“控”代“毁”的作战方式，减少战争的物理伤亡；另一方面，也要防止作茧自缚，成为脑控武器的受害者。

作为战争的最终决策者，人类应该解决好脑控武器的研发方向与理性应用等问题。一方面，脑控与控脑是脑控武器的两条发展路径，其中脑控技术不断成熟，将极大提高人与武器的融合程度，可作为未来的发展

第04版：科技 | PDF版下载 | 上一版

解放军报客户端
兵在掌上阅 亮剑伸指间

下载

新的控脑技术无需芯片

控脑技术_百度百科

https://baike.baidu.com/item/控脑技术/65228507

播报 编辑 讨论 2 收藏 赞 亦蔚然673

控脑技术

一种对人的精神和神经进行控制的技术

远程隔空精神控制技术 01:01

控脑技术 00:33

控脑技术

一种对人的精神和神经进行控制的技术

控脑技术的概述图 (1张)

词条统计

浏览次数：18035次
编辑次数：17次 历史版本
最近更新：亦蔚然673 (今天)

突出贡献榜

亦蔚然673

控脑技术

通常指的是通过物理、化学等手段，对人脑与神经产生影响，从而影响人的精神、意识、心理、行为的技术 [5-6]。新的控脑技术无需在人脑中植入芯片，电磁波、光线、声波、气味等都可以成为媒介 [5] [7]。例如：通过发射和人的大脑工作频率（0.5~40 赫）一致的低频电磁波可进行人脑意识的控制。其中，13~35 赫控制人的正常活动，8~12 赫控制人的学习和注意力，4~7 赫控制人的想像力，0.5~3 赫控制人的睡眠。 [19]

该技术建立在人对脑内信息进行获取、解读、传播和控制的基础之上 [1]。其工作原理包括采集人脑电波特征码、解码分离出各种神经活动信号，以及将编码后的信息直接写入大脑以实现控制 [9]。

该技术起源于20世纪50年代苏联的远程控脑研究。同期美国中情局也推进了相关项目 [4]。其应用如下：俄罗斯“僵尸枪”通过发射特制电磁波，可有效影响敌方情绪与思维，从而丧失战斗力。美军曾在伊拉克战争中使用超高频电磁波，扰乱伊拉克士兵的精神状态，最终成功致使数千伊拉克士兵不战而降 [1-2]。前苏联特工揭秘，他们曾在美国总统及亲信大脑漫步，在北约1999年3月24日对南联盟实施空中打击前两周，俄“精神特工”成功侵入美国国务卿奥尔布赖特的大脑，对她的潜意识进行了“扫描”。 [20] 俄罗斯前总统叶利钦的意识受到很强的程序控制过，目的让他把南千岛群岛交给日本。 [22]

中文名 控脑技术

提出时间 20世纪50年代

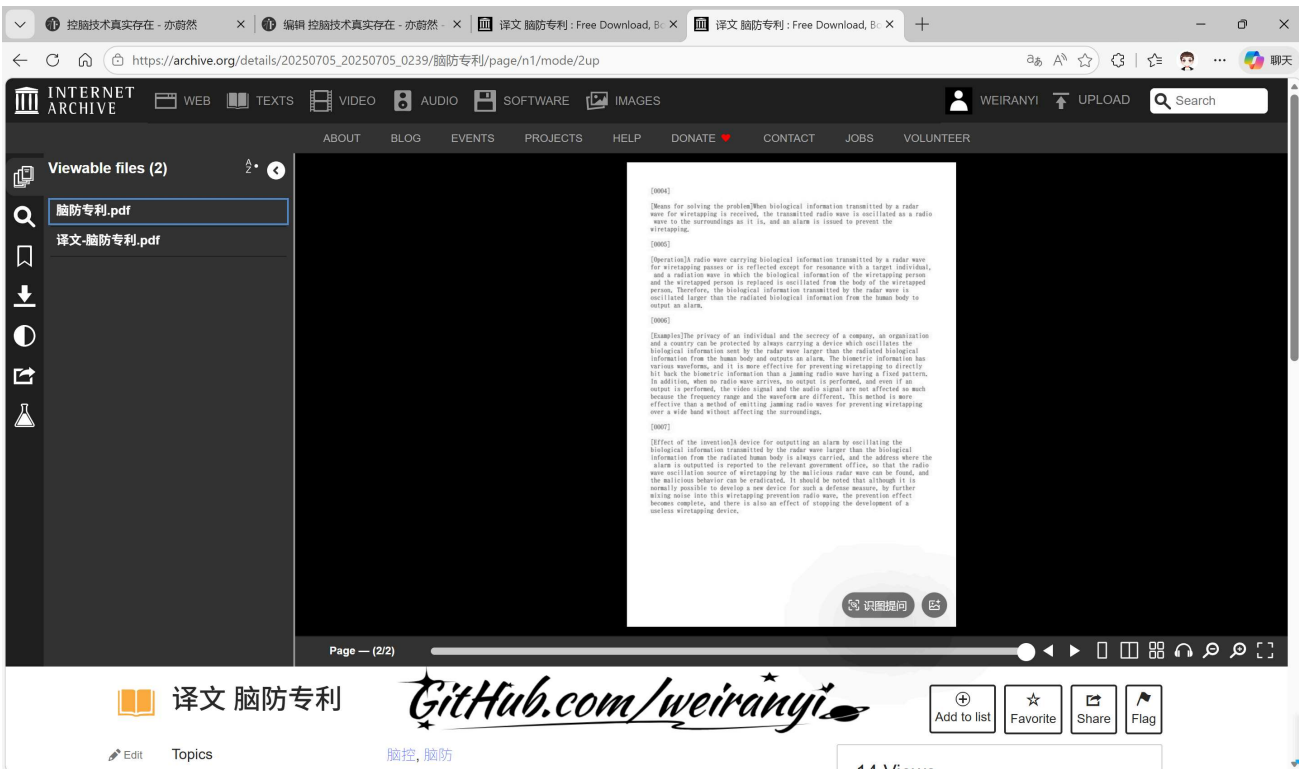
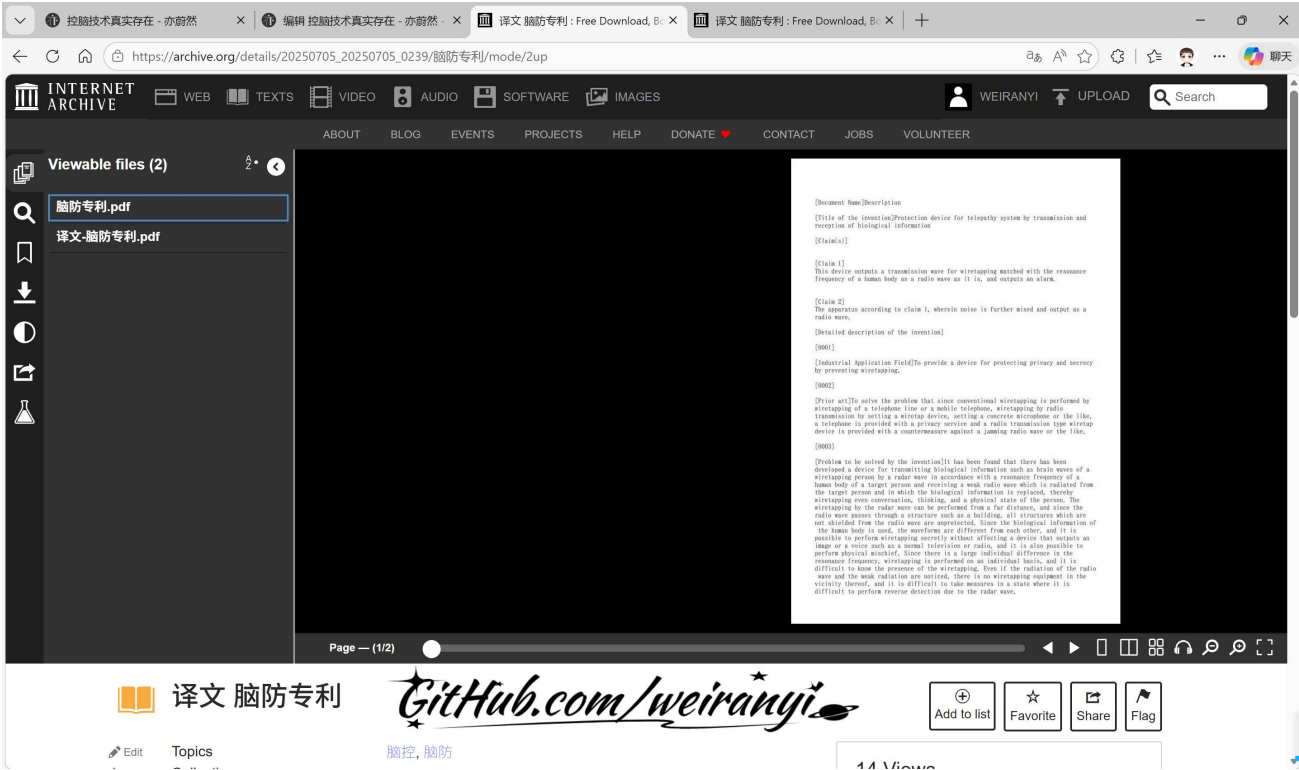
适用领域 军事应用、医疗应用、科研领域

百度百科-新的控脑技术无需芯片

中国保密公司**保密安全检测检查车专利**（CN107290712A）有**检测脑控信号和干扰脑控信号**的装置（**干扰范围1-100hz**）

企查查

<https://weiranvi.github.io/p/control-brain/>



日本1995年脑防技术之军网介绍（来源于军网文章《脑对抗：人与武器实现高度融合》）：早在1995年，日本专利厅就发布了一项可用于阻止脑控的专利技术。该技术主要通过侦收、分析窃听电波引起的共振信号，从而发现认知窃听行为，并向被窃听对象发出预警，根据需要发出杂波干扰。



日本脑防技术之军网介绍



脑防技术-百度百科

3.电磁波控脑信号范围

中国军网文章《恶魔弹奏的“竖琴”：威力巨大的高能量电磁波》说：通过发射和人的大脑工作频率（0.5~40 赫）一致的低频电磁波进行人脑意识的控制。其中，13~35 赫控制人的正常活动，8~12 赫控制人的学习和注意力，4~7 赫控制人的想象力，0.5~3 赫控制人的睡眠，很快造成对方有生力量的瘫痪。（极低频的发射：主要是通过相控阵天线阵列将高能量的电磁波发射至电离层的预定位置来引起电离层谐振，使高空的电喷流（电离层水平方向的电流）转变成为虚拟天线，从而可以灵活发射各种频段的电磁波）

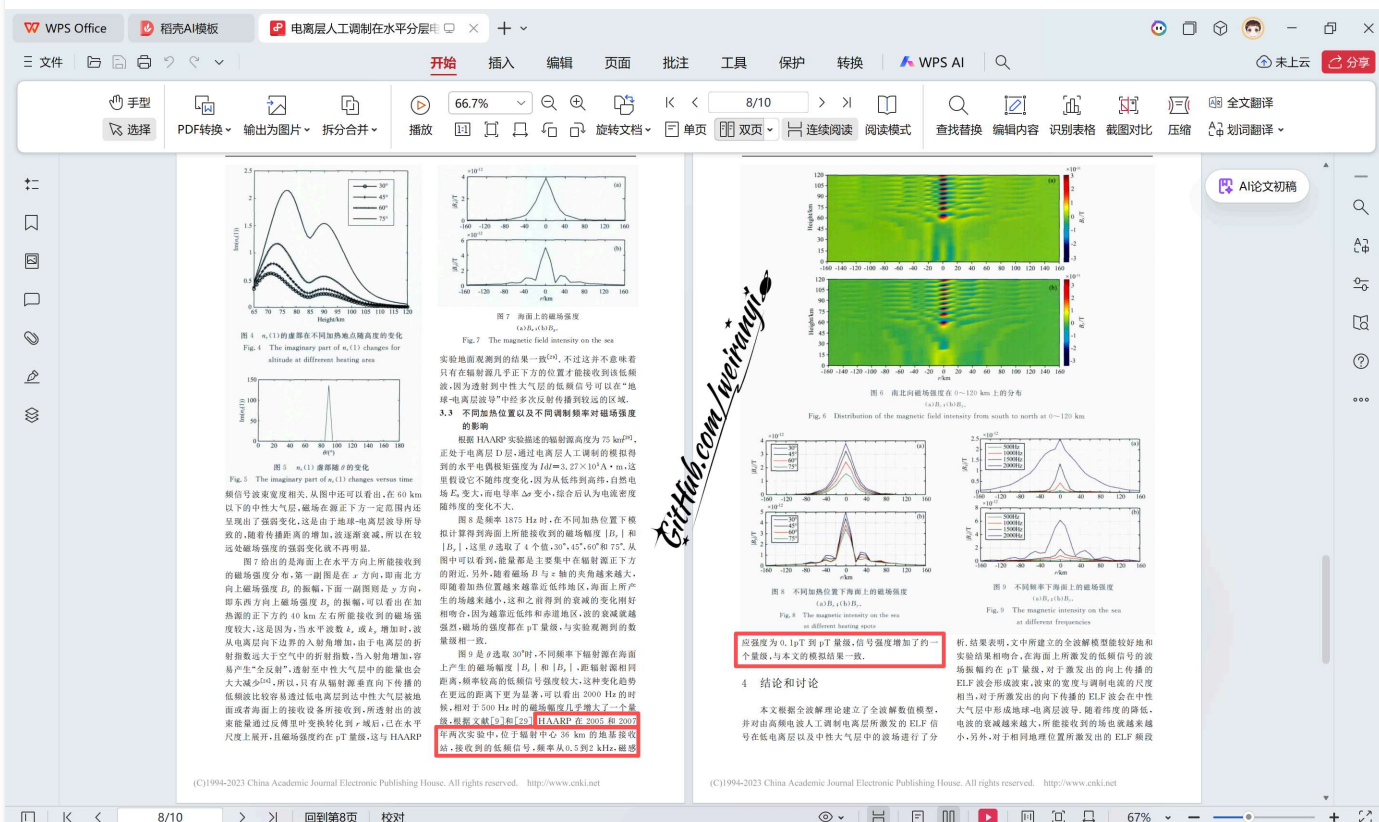
解读内容：这个极低频范围和上面中国保密公司脑防专利1-100hz重合部分相当大。关于极低频，电波叠加也可以产生低频信号。



恶魔弹奏的竖琴-威力巨大的高能量电磁波_军网截图.png

《电离层人工调制在水平分层电离层中所激发的ELF波辐射》：HAARP在2005和2007年两次实验中，位于辐射中心36km的地基接收站，接收到的低频信号，频率从0.5到2kHz，磁感应强度为0.1pT到pT量级，信号强度增加了约一个量级，与本文的模拟结果一致。（汪枫,赵正予,常珊珊,等.电离层人工调制在水平分层电离层中所激发的ELF波辐射[J].地球物理学报, 2012, 55(007):2167-2176.DOI:10.6038/j.issn.0001-5733.2012.07.003.)

解读内容：这句话“与本文的模拟结果一致”表示这篇文章还复现了HAARP的结果。说明现实中实际可以通过电离层发射极低频信号。



发射极低频0.5_2kHz.png

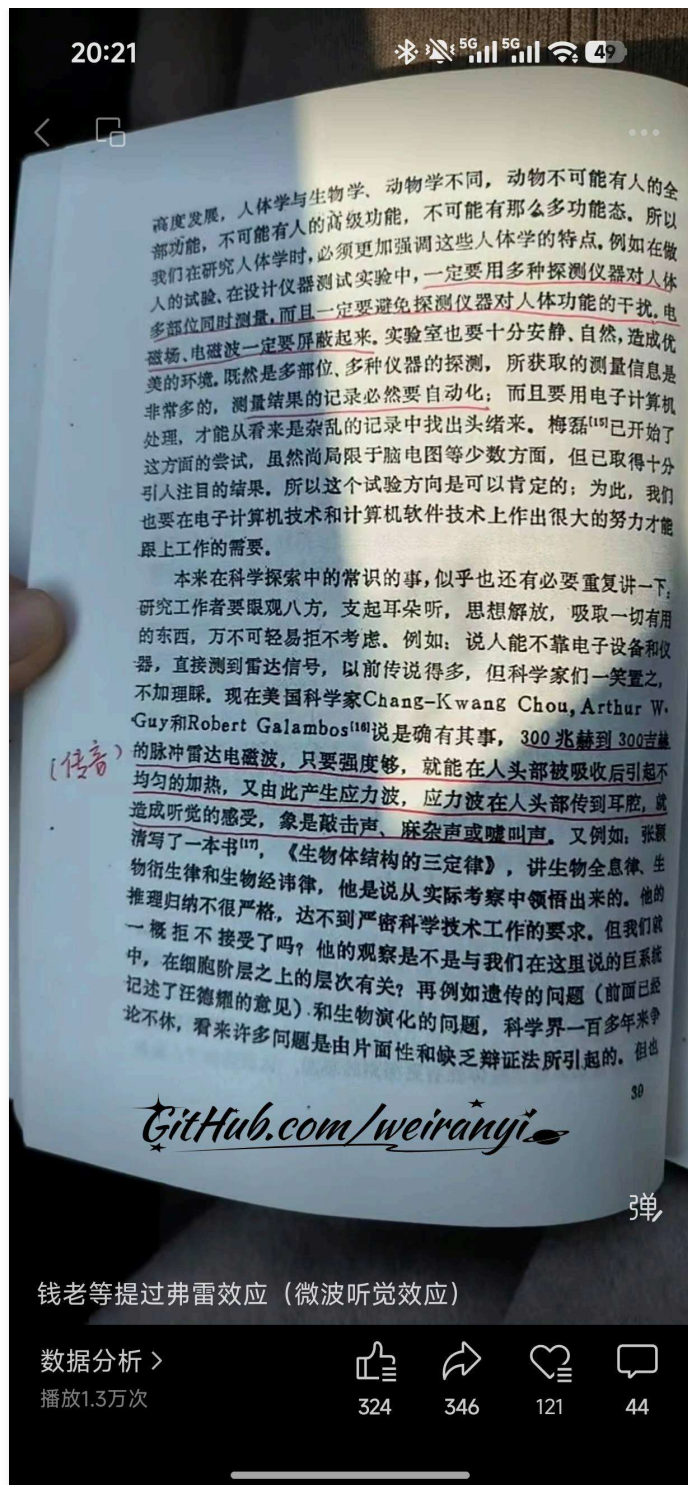
物理学报《电离层调制加热产生极低频甚低频波定向辐射的理论分析》注意定向这个词



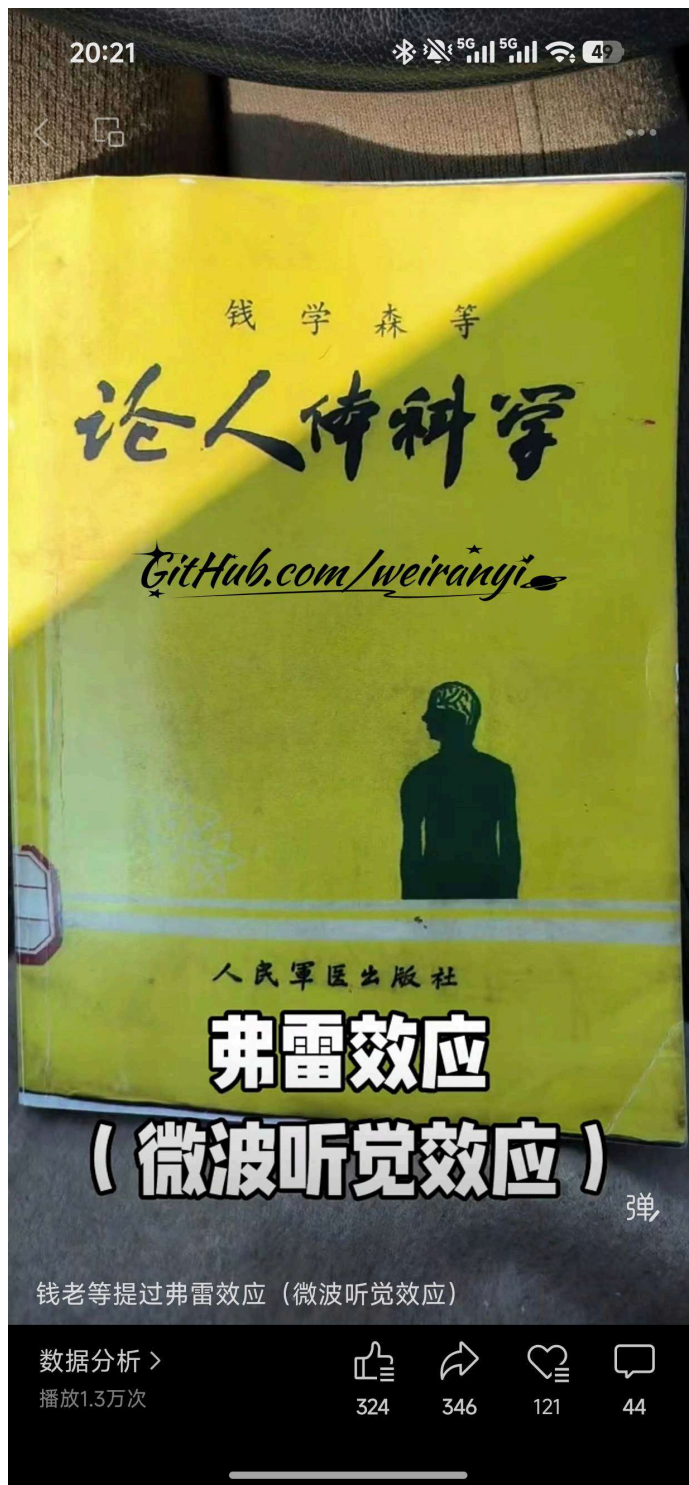
电离层调制加热产生极低频甚低频波定向辐射的理论分析-物理学报.png

4.电磁波传音

钱学森相关书籍《论人体科学》说300兆赫兹到300吉赫兹的脉冲雷达只要强度够，能在人脑产生听觉，敲击声、麻杂声、嘘叫声。



钱老等的书1.jpg



钱老等的书2.jpg

《微波高频对健康的影响与生物学效应》（人民卫生出版社）提及微波听觉效应



微波听觉效应.jpg



微波听觉2.png

美空军射频听觉效应专利（US6587729）

18:52



< US6587729.pdf

...



US006587729B2

(12) **United States Patent**
O'Loughlin et al.

(10) **Patent No.:** US 6,587,729 B2
(45) **Date of Patent:** Jul. 1, 2003

(54) **APPARATUS FOR AUDIBLY COMMUNICATING SPEECH USING THE RADIO FREQUENCY HEARING EFFECT**

(58) **Field of Search** 332/167; 381/151; 607/56, 55; 340/384.1; 600/559, 23, 586; 128/897, 898

(75) **Inventors:** James P. O'Loughlin, Placitas, NM (US); Diana L. Loree, Albuquerque, NM (US)

(56) **References Cited**

(73) **Assignee:** The United States of America as represented by the Secretary of the Air Force, Washington, DC (US)

U.S. PATENT DOCUMENTS

3,563,246 A * 2/1971 Puharich et al. 607/55
3,629,521 A * 12/1971 Puharich et al. 607/56
4,835,791 A * 5/1989 Daoud 375/301
5,450,044 A * 9/1995 Hulick 332/103

(*) **Notice:** Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

* cited by examiner

Primary Examiner—Kennedy Schaetzle

(74) *Attorney, Agent, or Firm*—James M. Skorich

(21) **Appl. No.:** 10/131,626

(22) **Filed:** Apr. 24, 2002

(65) **Prior Publication Data**

US 2002/0123775 A1 Sep. 5, 2002

Related U.S. Application Data

(62) Division of application No. 08/766,687, filed on Dec. 13, 1996, now Pat. No. 6,470,214.

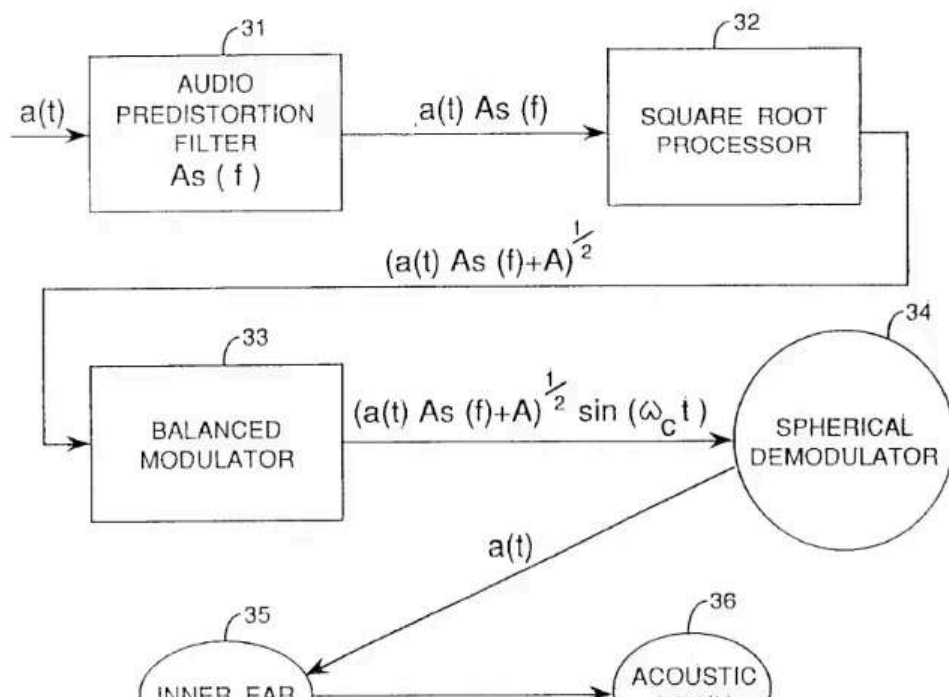
(51) **Int. Cl.**⁷ H03C 1/54

(52) **U.S. Cl.** 607/55; 128/897; 332/167; 381/151; 600/586

(57) **ABSTRACT**

A modulation process with a fully suppressed carrier and input preprocessor filtering to produce an encoded output; for amplitude modulation (AM) and audio speech preprocessor filtering, intelligible subjective sound is produced when the encoded signal is demodulated using the RF Hearing Effect. Suitable forms of carrier suppressed modulation include single sideband (SSB) and carrier suppressed amplitude modulation (CSAM), with both sidebands present.

11 Claims, 3 Drawing Sheets

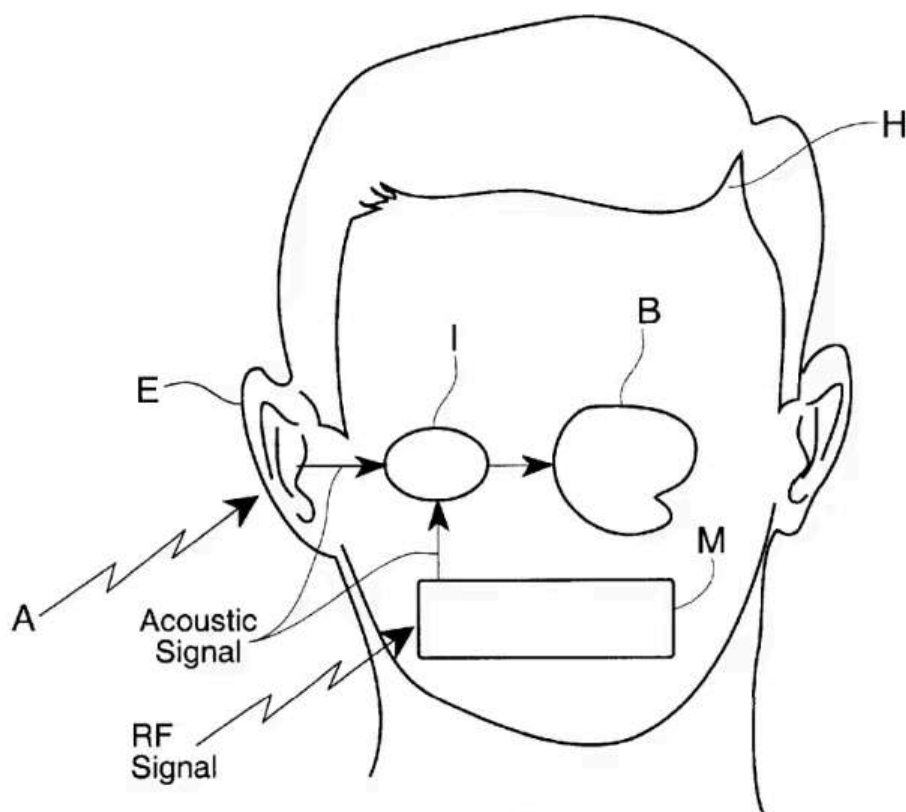
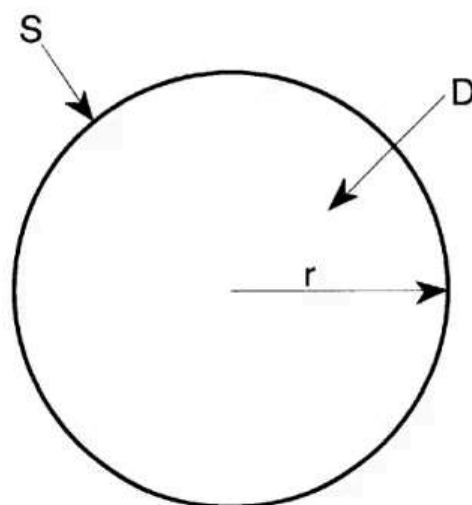


U.S. Patent

Jul. 1, 2003

Sheet 1 of 3

US 6,587,729 B2

*Fig. 1**Fig. 2*

U.S. Patent

Jul. 1, 2003

Sheet 2 of 3

US 6,587,729 B2

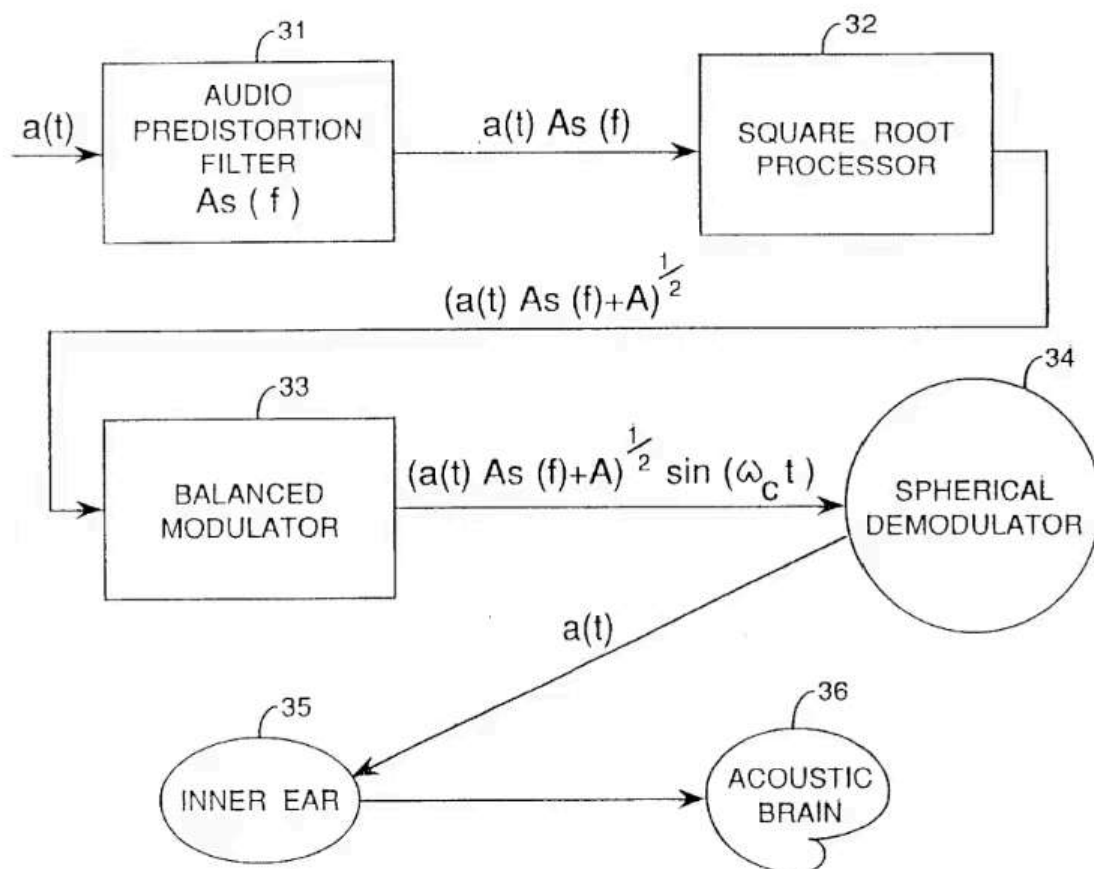


FIG. 3

GitHub.com/weiranyi

U.S. Patent

Jul. 1, 2003

Sheet 3 of 3

US 6,587,729 B2

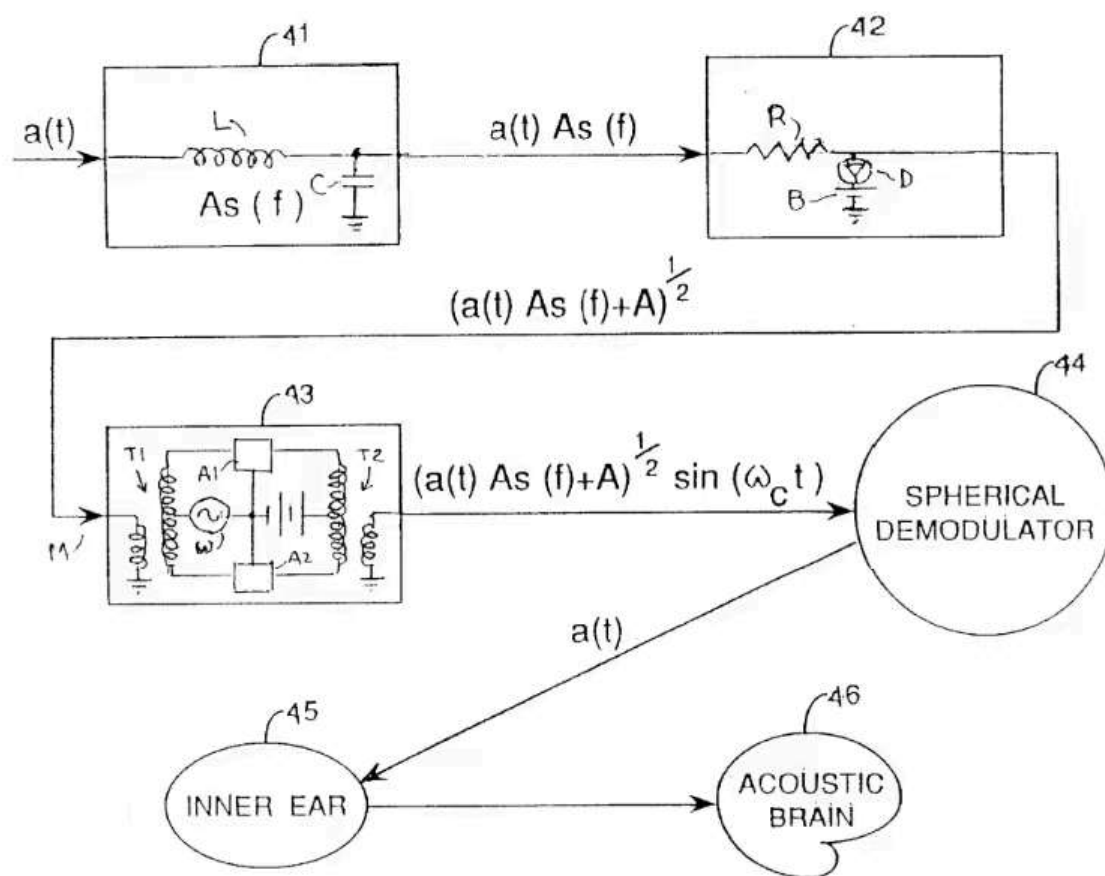


FIG. 4

US 6,587,729 B2

1

APPARATUS FOR AUDIBLY COMMUNICATING SPEECH USING THE RADIO FREQUENCY HEARING EFFECT

This application is a division of U.S. patent application Ser. No. 08/766,687 filed on Dec. 13, 1996, now U.S. Pat. No. 6,470,214, and claims the benefit of the foregoing filing date.

The invention described herein may be manufactured and used by or for the Government for governmental purposes without the payment of any royalty thereon.

BACKGROUND OF THE INVENTION

This invention relates to the modulating of signals on carriers, which are transmitted and the signals intelligibly recovered, and more particularly, to the modulation of speech on a carrier and the intelligible recover of the speech by means of the Radio Frequency Hearing Effect.

The Radio Frequency ("RF") Hearing Effect was first noticed during World War II as a subjective "click" produced by a pulsed radar signal when the transmitted power is above a "threshold" level. Below the threshold level, the click cannot be heard.

The discovery of the Radio Frequency Hearing Effect suggested that a pulsed RF carrier could be encoded with an amplitude modulated ("AM") envelope. In one approach to pulsed carrier modulation, it was assumed that the "click" of the pulsed carrier was similar to a data sample and could be used to synthesize both simple and complex tones such as speech. Although pulsed carrier modulation can induce a subjective sensation for simple tones, it severely distorts the complex waveforms of speech, as has been confirmed experimentally.

The presence of this kind of distortion has prevented the click process for the encoding of intelligible speech. An example is provided by AM sampled data modulation.

Upon demodulation the perceived speech signal has some of the envelope characteristics of an audio signal. Consequently a message can be recognized as speech when a listener is pre-advised that speech has been sent. However, if the listener does not know the content of the message, the audio signal is unintelligible.

The attempt to use the click process to encode speech has been based on the assumption that if simple tones can be encoded, speech can be encoded as well, but this is not so. A simple tone can contain several distortions and still be perceived as a tone whereas the same degree of distortion applied to speech renders it unintelligible.

SUMMARY OF THE INVENTION

In accomplishing the foregoing and related object the invention uses a modulation process with a fully suppressed carrier and pre-processor filtering of the input to produce an encoded output. Where amplitude modulation (AM) is employed and the pre-processor filtering is of audio speech input, intelligible subjective sound is produced when the encoded signal is demodulated by means of the RF Hearing Effect. Suitable forms of carrier suppressed modulation include single sideband (SSB) and carrier suppressed amplitude modulation (CSAM), with both sidebands present.

The invention further provides for analysis of the RE hearing phenomena based on an RF to acoustic transducer model. Analysis of the model suggests a new modulation process which permits the RF Hearing Effect to be used following the transmission of encoded speech.

2

In accordance with one aspect of the invention the pre-processing of an input speech signal takes place with a filter that de-emphasizes the high frequency content of the input speech signal. The de-emphasis can provide a signal reduction of about 40 dB (decibels) per decade. Further processing of the speech signal then takes place by adding a bias level and taking a root of the predistorted waveform. The resultant signal is used to modulated an RF carrier in the AM fully suppressed carrier mode, with single or double sidebands.

The modulated RF signal is demodulated by an RF to acoustic demodulator that produces an intelligible acoustic replication of the original input speech.

The RF Hearing Effect is explained and analyzed as a thermal to acoustic demodulating process. Energy absorption in a medium, such as the head, causes mechanical expansion and contraction, and thus an acoustic signal.

When the expansion and contraction take place in the head of an animal, the acoustic signal is passed by conduction to the inner ear where it is further processed as if it were an acoustic signal from the outer ear.

The RF to Acoustic Demodulator thus has characteristics which permit the conversion of the RF energy input to an acoustic output.

Accordingly, it is an object of the invention to provide a novel technique for the intelligible encoding of signals. A related object is to provide for the intelligible encoding of speech.

Another object of the invention is to make use of the Radio Frequency ("RF") Hearing Effect in the intelligible demodulation of encoded signals, including speech.

Still another object of the invention is to suitably encode a pulsed RF carrier with an amplitude modulated ("AM") envelope such that the modulation will be intelligibly demodulated by means of the RF Hearing Effect. A related object is to permit a message to be identified and understood as speech when a listener does not know beforehand that the message is speech.

Other aspects of the invention will be come apparent after considering several illustrative embodiments, taken in conjunction with the drawings.

DESCRIPTION OF THE DRAWINGS

FIG. 1 is a block diagram model of RF to Acoustic Demodulation Process making use of the Radio Frequency ("RF") Hearing Effect;

FIG. 2 is a spherical demodulator and radiator having a specific acoustic impedance for demodulation using the RF Hearing Effect;

FIG. 3 is a diagram illustrating the overall process and constituents of the invention; and

FIG. 4 is an illustrative circuit and wiring diagram for the components of FIG. 3.

DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENT

With reference to the drawings, FIG. 1 illustrates the RF to acoustic demodulation process of the invention. Ordinarily an acoustic signal A reaches the outer ear E of the head H and traverses first to the inner ear I and then to the acoustic receptors of the brain B. A modulated RF signal, however, enters a demodulator D, which is illustratively provided by the mass M of the brain, and is approximated, as shown in FIG. 2, by a sphere S of radius r in the head H. The radius

US 6,587,729 B2

3

r of the sphere S is about 7 cm to make the sphere S equivalent to about the volume of the brain B. It will be appreciated that where the demodulator D, which can be an external component, is not employed with the acoustic receptors of the brain B, it can have other forms.

The sphere S, or its equivalent ellipsoid or similar solid, absorbs RF power which causes an increase in temperature that in turn causes an expansion and contraction which results in an acoustic wave. As a first approximation, it is assumed that the RF power is absorbed uniformly in the brain. Where the demodulator D is external to the brain B, the medium and/or RF carrier frequency can be selected to assure sufficiently uniform absorption.

For the modulated RF signal of FIG. 1, the power absorbed in the sphere S is proportional to the power waveform of the modulated RF signal. The absorption rate is characterized quantitatively in terms of the SAR (Specific Absorption Rate) in the units of absorbed watts per kilogram per incident watt per square centimeter.

The temperature of the sphere S is taken as following the integrated heat input from the power waveform, i.e. the process is approximated as being adiabatic, at least for short term intervals on the order of a few minutes.

The radial expansion of the sphere follows temperature and is converted to sound pressure, p(t), determined by the radial velocity (U_r) multiplied by the real part of the specific acoustic impedance (Z_s) of the sphere, as indicated in equation (1), below.

$$Z_s = \rho_s c (jkr) / (1 + jkr) = \rho_s c [jff_c / (1 + jff_c)] \quad (1)$$

Where:

ρ_s = density, 1000 kg/m³ for water
 c = speed of sound, 1560 m/s, in water @ 37° C.
 k = wave number, $2\pi/\text{wavelength}$
 r = sphere radius, in meters (m)
 f = audio frequency
 f_c = lower cutoff break frequency, $= c/(2\pi r)$
 j = the 90 degree phase-shift operator

The specific acoustic impedance for a sphere of 7 cm radius, on the order of the size of the brain, has a lower cut-off break frequency of about 3,547 Hertz (Hz) for the parameters given for equation (1). The essential frequency range of speech is about 300 to 3000 Hz, i.e., below the cut-off frequency. It is therefore the Real part (R_s) of Z_s times the radial particle velocity (U_r) which determines the sound pressure, p(t). The real part of Z_s is given by equation (1a), below:

$$R_s(Z_s) = \rho_s c (ff_c)^2 / (1 + (ff_c)^2) \quad (1a)$$

In the speech spectrum, which is below the brain cut-off frequency, the sphere S is an acoustic filter which "rolls off", i.e. decreases in amplitude at -40 dB per decade with decreasing frequency. In addition to any other demodulation processes to be analyzed below, the filter characteristics of the sphere will modify the acoustic signal with a 40 dB per decade slope in favor of the high frequencies.

Results for an AM Modulated Single Tone

An RF carrier with amplitude A_c at frequency ω_c is AM modulated 100 percent with a single tone audio signal at frequency ω_1 . The voltage (time) equation of this modulated signal is given by equation (2), below:

$$V(t) = A_c \sin(\omega_c t) (1 + \sin(\omega_1 t)) \quad (2)$$

4

The power signal is $V(t)^2$ as given by equation (3), below:

$$P(t) = A_c^2 \left[\frac{1}{4} + \sin(\omega_1 t) - \frac{1}{4} \cos(2\omega_1 t) - \frac{1}{4} \cos(2\omega_c t) - \cos(2\omega_c t) \sin(\omega_1 t) + \frac{1}{4} \cos(2\omega_c t) \cos(2\omega_1 t) \right] \quad (3)$$

To find the energy absorbed in the sphere, the time integral of equation (3) is taken times absorption coefficient, K. The result is divided by the specific heat, SH to obtain the temperature of the sphere and then multiplied by the volume expansion coefficient, Mv to obtain the change in volume. The change in volume is related to the change in radius by equation (4), below:

$$dV/V = 3dr/r \quad (4)$$

To obtain the amplitude of the radius change, there is multiplication by the radius and division by three. The rms radial surface velocity, U_r , is determined by multiplying the time derivative by r and dividing by $2^{1/2}$. The result, U_r , is proportional to the power function, P(t) in equation (5), below.

$$U_r = 0.3535 P(t) r K M_s / (3SH) \quad (5)$$

The acoustic pressure, p(t), is given in equation (6), below, as the result of multiplying equation (5) by the Real part of the specific acoustic impedance, R_s (1).

$$p(t) = R_s(Z_s U_r) = R_s(Z_s) U_r \quad (6)$$

The SPL (Sound Pressure Level), in acoustic dB, is approximated as $20 \log[p(t)/2E-5]$. The standard acoustic reference level of $2E-5$ Newtons per square meter is based on a signal in air; however, the head has a water-like consistency. Therefore, the subjective level in acoustic dB is only approximate, but sufficient for first order accuracy.

In a single tone case the incident RF power, P(t), from equation (3) has two terms as shown in equation (7), below, which are in the hearing range.

$$\sin(\omega_1 t) - \frac{1}{4} \cos(2\omega_1 t) \quad (7)$$

This is converted to the acoustic pressure wave, p(t), by multiplying by the specific acoustic impedance calculated at the two frequencies. Therefore, the resulting pressure wave as indicated in equation (8), below, becomes

$$p(t) = C [Z_s(\omega_1) \sin(\omega_1 t) - \frac{1}{4} Z_s(2\omega_1) \cos(2\omega_1 t)] \quad (8)$$

The result is an audio frequency and a second harmonic at about $1/4$ amplitude. Thus using an RF carrier, AM modulated by a single tone, the pressure wave audio signal will consist of the audio tone and a second harmonic at about -6 dB, if the specific acoustic impedances at the two frequencies are the same. However, from equation (1) the break frequency of a model 7 cm sphere is 3,547 Hz. Most of the speech spectrum is below this frequency therefore the specific acoustic impedance is reactive and the real component is given by equation (8a), below:

$$R_s(Z_s(f)) = \rho_s c (ff_c)^2 / (1 + (ff_c)^2) \quad (8a)$$

Below the cutoff frequency the real part of the impedance varies as the square of the frequency or gives a boost of 40 dB per decade. Therefore, if the input modulation signal is 1 kHz, the second harmonic will have a boost of about 4 time in amplitude, or 12 dB, due to the variation of the real part of the specific acoustic impedance with frequency. So the second harmonic pressure term in equation (8) is actually four times the power or 6 dB higher than the fundamental

US 6,587,729 B2

5

term. If the second harmonic falls above the cutoff frequency then the boost begins to fall back to 0 dB. However, for most of the speech spectrum there is a severe distortion and strong boost of the high frequency distortion components.

Results for Two Tone AM Modulation Analysis

Because of the distortion attending single tone modulation, predistortion of the modulation could be attempted such that the resulting demodulated pressure wave will not contain harmonic distortion. This will not work, however, because of the non-linear cross-products of two-tone modulation are quite different from single tone modulation as shown below.

Nevertheless, two-tone modulation distortion provides an insight for the design of a corrective process for a complex modulation signal such as speech. The nature of the distortion is defined in terms of relative amplitudes and frequencies.

Equation (8b) is that of an AM modulated carrier for the two-tone case where ω_{a1} and ω_{a2} are of equal amplitude and together modulate the carrier to a maximum peak value of 100 percent. The total modulated RF signal is given by equation (8b), below:

$$V(t) = A_c \sin(\omega_c t) [1 + \frac{1}{2} \sin(\omega_{a1} t) + \frac{1}{2} \sin(\omega_{a2} t)]$$

The square of (8b) is the power signal, which has the same form as the particle velocity, $U_p(t)$, of equation (9), below.

From the square of (8b) the following frequencies and relative amplitudes are obtained for the particle velocity wave, $U_p(t)$, which are in the audio range;

$$U_p(t) = C [\sin(\omega_{a1} t) + \sin(\omega_{a2} t) + \frac{1}{4} \cos((\omega_{a1} - \omega_{a2}) t) - \frac{1}{4} \cos((\omega_{a1} + \omega_{a2}) t) - \frac{1}{2} \cos(2\omega_{a1} t) - \frac{1}{2} \cos(2\omega_{a2} t)] \quad (9)$$

If the frequencies in equation (9) are below the cut-off frequency, the impedance boost correction will result in a pressure wave with relative amplitudes given in equation (9a), below:

$$p(t) = C [\sin(\omega_{a1} t) + b^2 \sin(\omega_{a2} t) + (1 - b^2)/4 \cos((\omega_{a1} - \omega_{a2}) t) + (1 + b^2)/4 \cos((\omega_{a1} + \omega_{a2}) t) - \frac{1}{2} \cos(2\omega_{a1} t) - b^2/2 \cos(2\omega_{a2} t)] \quad (9a)$$

where: $b = \omega_{a2}/\omega_{a1}$ and $\omega_{a2} > \omega_{a1}$

Equation (9a) contains a correction factor, b , for the specific acoustic impedance variation with frequency. The first two terms of (9a) are the two tones of the input modulation with the relative amplitudes modified by the impedance correction factor. The other terms are the distortion cross products which are quite different from the single tone distortion case. In addition to the second harmonics, there are sum and difference frequencies. From this two-tone analysis it is obvious that more complex multiple tone modulations, such as speech, will be severely distorted with even more complicated cross-product and sum and difference components. This is not unexpected since the process which creates the distortion is nonlinear. This leads to the conclusion that a simple passive predistortion filter will not work on a speech signal modulated on an RF carrier by a conventional AM process, because the distortion is a function of the signal by a nonlinear process.

However, the serious distortion problem can be overcome by means of the invention which exploits the characteristics of a different type of RF modulation process in addition to special signal processing.

AM Modulation With Fully Suppressed Carrier for the Intelligible Encoding of Speech by the Invention for Compatibility With the RF Hearing Phenomena

The equation for AM modulation with a fully suppressed carrier is given by equation (10), below:

6

$$V(t) = a(t) \sin(\omega_c t) \quad (10)$$

This modulation is commonly accomplished in hardware by means of a circuit known as a balanced modulator, as disclosed, for example in "Radio Engineering", Frederick E. Terman, p.481-3, McGraw-Hill, 1947.

The power signal has the same form as the particle velocity signal which is obtained from the square of equation (10) as shown in equation (11), below:

$$P(t) = C U_p = a(t)^2/2 - (a(t)^2/2) \cos(2\omega_c t) \quad (11)$$

From inspection of equations (10) and (11) it is seen that, if the input audio signal, $a(t)$, is pre-processed by taking the square root and then modulating the carrier, the audio term in the particle velocity equation will be an exact, undistorted, replication of the input audio signal. Since the audio signal from a microphone is bipolar, it must be modified by adding a very low frequency (essential d.c.) bias term, A , such that the resultant sum, $[a(t) + A] > 0.0$, is always positive. This is necessary in order to insure a real square root. The use of a custom digital speech processor implements the addition of the term A , i.e. as shown in equation (10*), below:

$$V(t) = (a(t) + A)^{1/2} \sin(\omega_c t) \quad (10^*)$$

The pressure wave is given by equation (11*), below:

$$p(t) = C U_p = A/2 + a(t)/2 - (a(t)/2) \cos(2\omega_c t) - (A/2) \cos(2\omega_c t) \quad (11^*)$$

When the second term of the pressure wave of equation (11*) is processed through the specific acoustic impedance it will result in the replication of the input audio signal but will be modified by the filter characteristics of the Real part of the specific acoustic impedance, $R_e\{Z_s(f)\}$, as given in equation (8a). The first term of equation (11*) is the d.c. bias, which is added to obtain a real square root; it will not be audible or cause distortion. The third and fourth terms of (11*) are a.c. terms at twice the carrier frequency and therefore will not distort or interfere with the audio range signal, $a(t)$.

Since the filter characteristic of equation (7) is a linear process in amplitude, the audio input can be predistorted before the modulation is applied to the carrier and then the pressure or sound wave audio signal, which is the result of the velocity wave times the impedance function, $R_e\{Z_s(f)\}$, will be the true replication of the original input audio signal.

A diagram illustrating the overall system 30 and process of the invention is shown in FIG. 3. Then input signal $a(t)$ is applied to an Audio Predistortion Filter 31 with a filter function $As(f)$ to produce a signal $a(t)As(f)$, which is applied to a Square Root Processor 32, providing an output $=(a(t)As(f) + A)^{1/2}$, which goes to a balanced modulator 33. The modulation process known as suppressed carrier, produces a double sideband output $=(a(t)As(f) + A)^{1/2} \sin(\omega_c t)$, where ω_c is the carrier frequency. If one of the sidebands and the carrier are suppressed (not shown) the result is single sideband (SSB) modulation and will function in the same manner discussed above for the purposes of implementing the invention. However, the AM double sideband suppressed carrier as described is more easily implemented.

The output of the balanced modulator is applied to a spherical demodulator 34, which recovers the input signal $a(t)$ that is applied to the inner ear 35 and then to the acoustic receptors in the brain 36.

The various components 31-33 of FIG. 3 are easily implemented as shown, for example by the corresponding components 41-42 in FIG. 4, where the Filter 41 can take

US 6,587,729 B2

7

the form of a low pass filter, such as a constant-K filter formed by series inductor L and a shunt capacitor C. Other low-pass filters are shown, for example, in the ITT Federal Handbook, 4th Ed., 1949. As a result the filter output is $AS(f) a 1/f^2$. The Root Processor 42 can be implemented by any square-law device, such as the diode D biased by a battery B and in series with a large impedance (resistance) R, so that the voltage developed across the diode D is proportional to the square root of the input voltage $a(t)As(f)$. The balanced modulator 43, as discussed in Terman, op.cit., has symmetrical diodes A1 and A2 with the modulating voltage M applied in opposite phase to the diodes A1 and A2 through an input transformer T1, with the carrier, O, applied commonly to the diodes in the same phase, while the modulating signal is applied to the diodes in opposite phase so that the carrier cancels in the primary of the output transformer T2 and the secondary output is the desired double side band output.

Finally the Spherical Demodulator 45 is the brain as discussed above, or an equivalent mass that provides uniform expansion and contraction due to thermal effects of RF energy.

The invention provides a new and useful encoding for speech on an RF carrier such that the speech will be intelligible to a human subject by means of the RF hearing demodulation phenomena. Features of the invention include the use of AM fully suppressed carrier modulation, the preprocessing of an input speech signal by a compensation filter to de-emphasize the high frequency content by 40 dB per decade and the further processing of the audio signal by adding a bias terms to permit the taking of the square root of the signal before the AM suppressed carrier modulation process.

The invention may also be implemented using the same audio signal processing and Single Sideband (SSB) modulation in place of AM suppressed carrier modulation. The same signal processing may also be used on Conventional AM modulation contains both sideband and the carrier; however, there is a serious disadvantage. The carrier is always present with AM modulation, even when there is no signal. The carrier power does not contain any information but contributes substantially to the heating of the thermal-acoustic demodulator, i.e. the brain, which is undesirable. The degree of this extraneous heating is more than twice the heating caused by the signal or information power in the RF signal. Therefore conventional AM modulation is an inefficient and poor choice compared to the double side-band suppressed carrier and the SSB types of transmissions.

The invention further may be implemented using various degrees of speech compression commonly used with all types of AM modulation. Speech compression is implemented by raising the level of the low amplitude portions of the speech waveform and limiting or compressing the high peak amplitudes of the speech waveform. Speech compression increases the average power content of the waveform and thus loudness. Speech compression introduces some distortion, so that a balance must be made between the increase in distortion and the increase in loudness to obtain the optimum result.

Another implementation is by digital signal processing of the input signal through to the modulation of the RF carrier.

What is claimed is:

1. An apparatus for communicating an audio signal $a(t)$, comprising:

8

an audio predistortion filter having a filter function $As(f)$ for producing a first output signal $a(t)As(f)$ from the audio signal $a(t)$;

means for adding a bias A to the first output signal, to produce a second output signal $a(t)As(f)+A$;

a square root processor for producing a third output signal $(a(t)As(f)+A)^{1/2}$ responsive to the second output signal; and

a modulator for producing a double sideband output signal responsive to the third output signal, having a carrier frequency of ω_c , and being mathematically described by $(a(t)As(f)+A)^{1/2} \sin(\omega_c t)$; and

transmitting the double sideband output signal to a demodulator, whereby the audio signal $a(t)$ is recovered from the double sideband output signal.

2. The communication apparatus defined in claim 1 wherein:

the double sideband output signal has RF power; and the demodulator is for converting the RF power into acoustic pressure waves.

3. The communication apparatus defined in claim 2 wherein:

the demodulator converts the RF power into the acoustic pressure waves by means of thermal expansion and contraction, whereby

the acoustic pressure waves approximate the audio signal $a(t)$.

4. The communication apparatus defined in claim 2 wherein the demodulator includes a mass that expands and contracts responsive to the RF power of the double sideband output signal.

5. The communication apparatus defined in claim 4 wherein the mass is approximately spherical.

6. The communication apparatus defined in claim 1 wherein:

the double sideband output signal is comprised of a first sideband component and a second sideband component; and

means for suppressing the second sideband component, whereby

the demodulator recovers the audio signal $a(t)$ solely from the first sideband component.

7. The communication apparatus defined in claim 1 wherein the audio predistortion filter is a low-pass filter.

8. The communication apparatus defined in claim 7 wherein the audio predistortion filter is a digital processor.

9. The communication apparatus defined in claim 1 wherein:

the square root processor is a diode biased by a voltage source, in series with a resistance, whereby

a voltage across the diode is proportional to a square root of the second output signal $a(t)As(f)+A$.

10. The communication apparatus defined in claim 1 wherein the modulator is a balanced modulator.

11. The communication apparatus defined in claim 1 wherein:

the audio signal $a(t)$ includes a high frequency component; and

the audio predistortion filter de-emphasizes the high frequency component by approximately 40 dB per decade.

* * * * *

5.电磁波脑干扰

陆军军医大学冯正直相关文章《军事认知神经科学研究进展》脑干扰是采集特定对象脑电波，分析其频率、波幅等特征后，再发射特定的电波先耦合再引导，影响和改变特定对象的脑电波，从而控制其思想和行为。



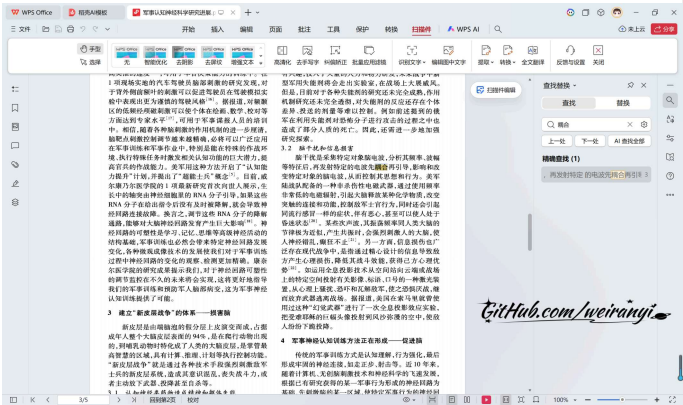
脑干扰1.png



脑干扰2.png



脑干扰3.png



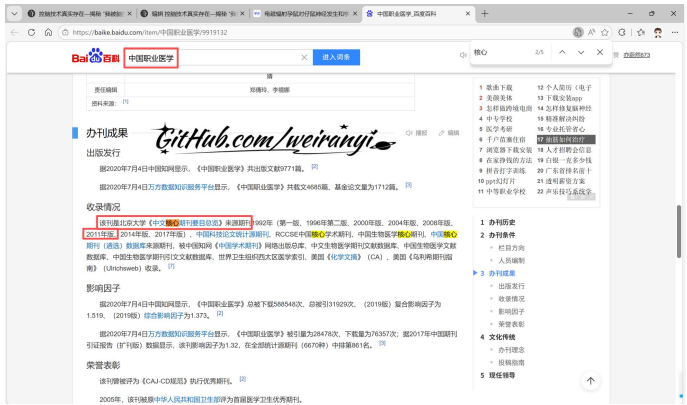
脑干扰4.png

6.电磁波引起记忆下降

哈瓦那综合征的特征之一也是记忆下降，中文核心期刊《中国职业医学》2011年的文章《电磁辐射孕鼠对仔鼠神经发生和学习记忆影响研究》提及电磁波导致小鼠记忆减退



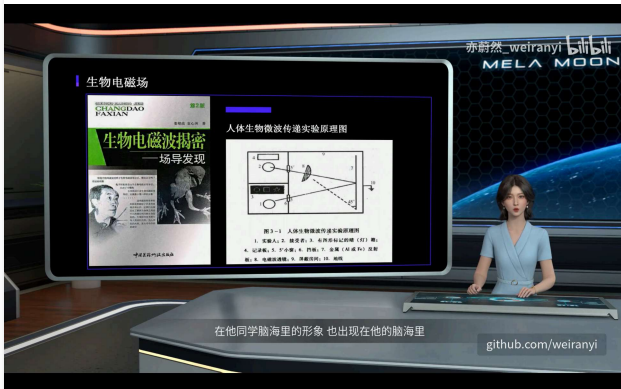
中文核心期刊文章1.png



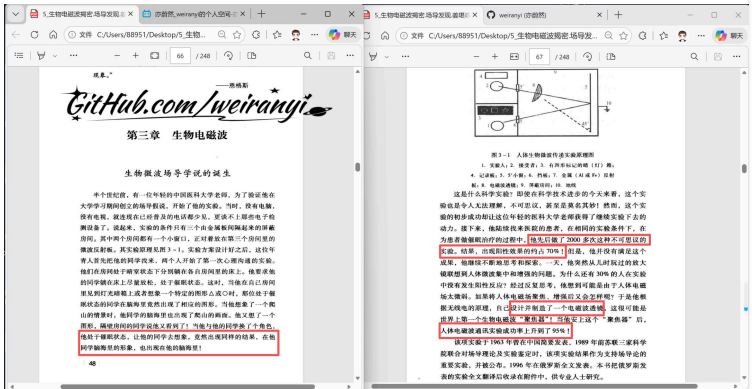
中文核心期刊文章2.png

7.电磁波传递想法

由姜堪政、袁心洲所著，中国医药科技出版社出版的《生物电磁波揭密：场导发现》一书提及微波可以传递想法



生物电磁波传递想法-《生物电磁波揭密：场导发现》.png



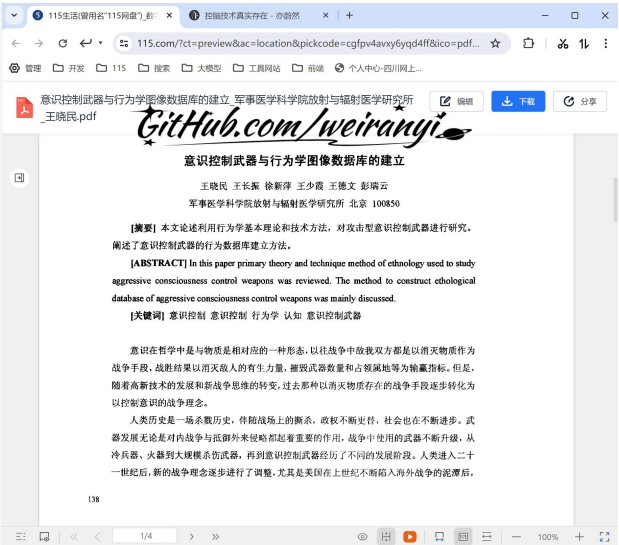
原文节选-《生物电磁波揭密：场导发现》.png

8.意识控制武器可以干的事情

军事医学科学院放射与辐射医学研究所的《意识控制武器与行为学图像数据库的建立》论文：意识控制武器的实施对象是人，它是对人的行为、举止、生活方式、生活习惯等自身行为的控制，它也对人与人之间的行为进行控制，甚至对人改变自然环境的行进行控制，或者改变自然环境反之影响人类行为。意识控制武器对人的影响可以从视觉、听觉、触觉、味觉、嗅觉，到语言、情绪、潜意识、梦境、甚至爱情反应等进行控制。攻击性意识控制武器是利用一切物理原理施放能量对人的行为进行干扰，控制人的意识，如利用电磁脉冲武器、次声武器、强声武器、激光武器、网络武器等，来控制人的情绪，其中包括惊奇、愤怒、恐悲哀、惧、厌恶、羞耻、悔恨、嫉妒、喜欢、同情等情绪，最终引起受害者

整日处于不良的精神状态或者激惹人群，引发动乱或者引起同情鼓动杀敌甚至引导人自杀行为这些都是利用意识控制武器改变人的行为方式。

解读内容：意识控制武器可以引起目标周围人情绪变化或者诱导目标自杀



意识控制武器相关文章1.png



意识控制武器相关文章2.png

9.脑控技术军事化引发的伦理思考

中国社会科学报《脑控技术军事化引发的伦理思考》文章（作者吕少德，单位陆军军医大学）：文中写过控制思维的有效性

解读内容：有效性必须经过科学论证，不可能凭空说某某东西具有有效性。试着过度解读一下，大家可以注意下文章的发文时间，单单1940这个数字，1940不列颠空战，雷达是重要设备，日本脑防专利说存在雷达技术窃取人脑想法，还有美国民间 MuckRock非营利的协作新闻网站通过信息自由法获得的文件说雷达调制脑波，还有弗雷效应在雷达附近发现，这时间是刻意的还是偶然的，偶然的话更有意思。



脑控相关伦理思考-陆军军医大学1.jpg

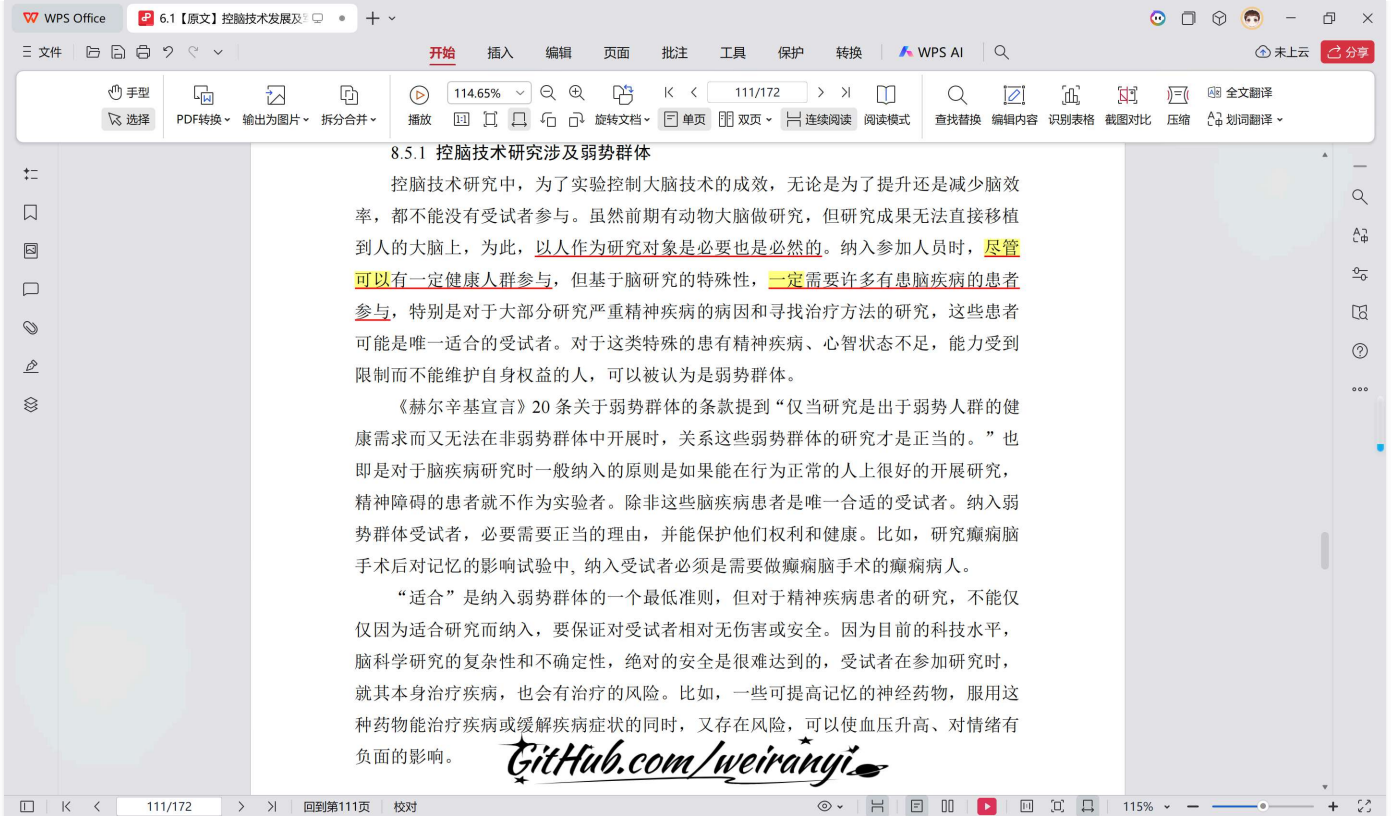


脑控相关伦理思考-陆军军医大学2.jpg

10.控脑技术发展的伦理思考

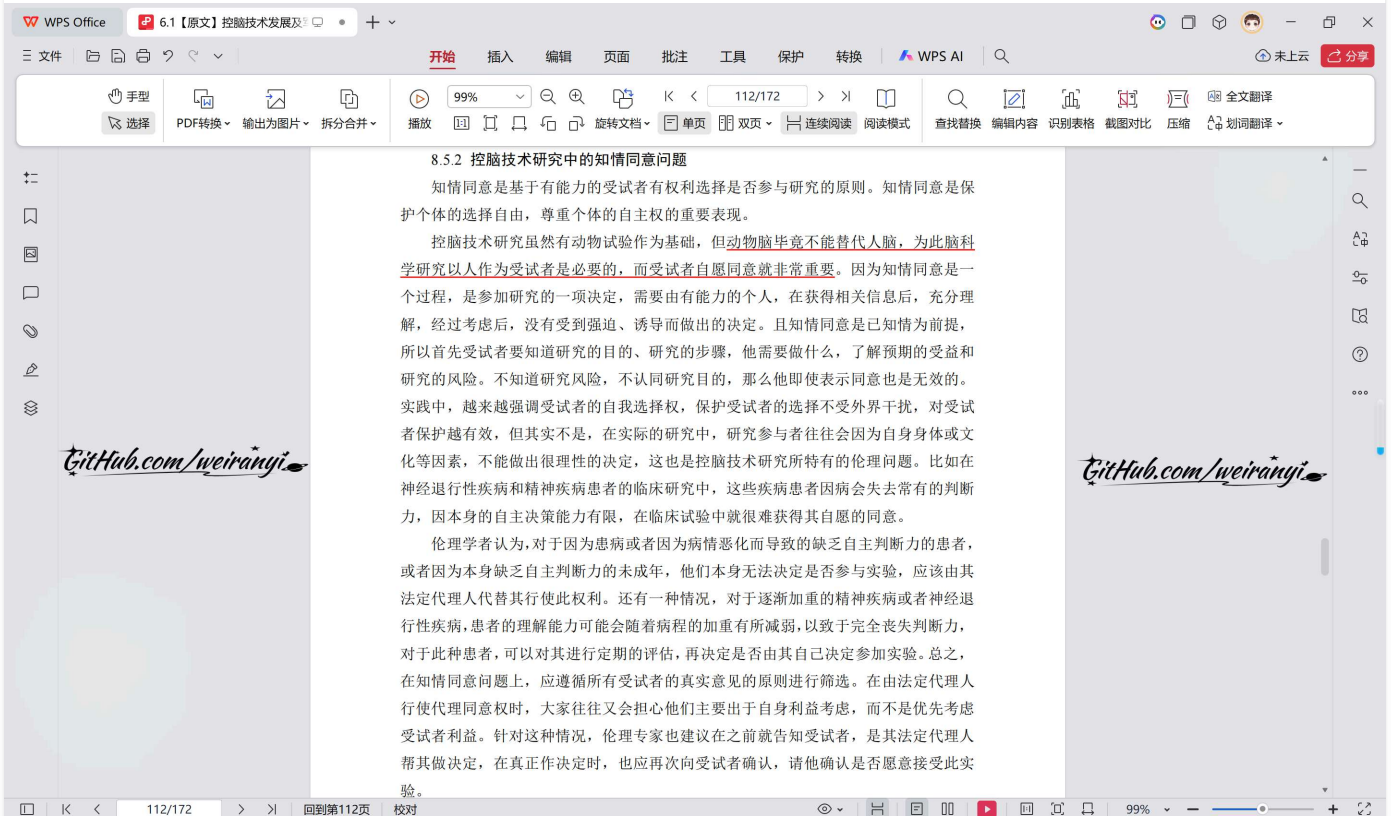
内容来源于陆军军医大学（罗旭）《控脑技术发展及军事应用预测研究》论文

解读内容：注意内容“虽然前期有动物大脑做研究，但研究成果无法直接移植到人的大脑上，为此，以人作为研究对象是必要也是必然的。纳入参加人员时，尽管可以有一定健康人群参与，但基于脑研究的特殊性，一定需要许多有患脑疾病的患者参与，特别是对于大部分研究严重精神疾病的病因和寻找治疗方法的研究，这些患者可能是唯一适合的受试者。”



控脑技术研究涉及弱势群体.png

解读内容：注意内容“控脑技术研究虽然有动物试验作为基础，但动物脑毕竟不能替代人脑，为此脑科学研究以人作为受试者是必要的，而受试者自愿同意就非常重要。”



控脑技术研究中的知情同意问题.png

11.特工可在大脑漫步及读脑潜意识

中国日报网《心电武器可控数百公里外大脑？前苏联特工揭内幕》(中国日报网是国务院新闻办（中共中央外宣办）主管的中国日报旗下网站，文章发文时间2007-08-28 11:03，消息源于《俄罗斯报》等媒体)说：前苏联特工在负责本国领导人安全的同时，还**时刻扫描美国领导人大脑在想什么**。拉特尼科夫说：“**我们能在美国总统及其亲信‘大脑中散步’**，并提供了只有美国一号人物才知道的情报。“比如，上世纪90年代初期，“精神特工队”对美国驻俄新大使进行了“研究”，得出美国大使馆有心理影响设备的结论以及一些其他情况。在北约1999年3月24日对南联盟实施空中打击前两周，俄“精神特工”成功侵入美国国务卿奥尔布赖特的大脑，**对她的潜意识进行了“扫描”**。

18:38



心电武器可控数百公里外大脑



环球在线

直播客

英语点津

| 首页 | 中国 | 国际 | 评论 | 财经 | 博览 | 视觉 | 专题 | 娱乐 |

我们眼中的世界

关键字

▶ 博览> 推荐首页要闻> 正文

心电武器可控数百公里外大脑？前苏联特工揭内幕

[2007-08-28 11:03]



锡箔帽子能免受控制？

*GitHub.com/weiranyi*

精神受控制的游戏人物

中国日报网环球在线消息：自古以来，人类就对精神作用表现出极大的兴趣，人们总是试图利用各种手段影响他人的意志和思维。进入20世纪，对古代法师魔法实践的研究也进入了科学阶段，这立即引起了英国、美国、德国和苏联特工部门的关注，一场不见硝烟的特殊战争——心电武器战随之拉开序幕。如今，一些西方国家正在利用心电武器，将民众弄呆变傻。最近，前克格勃特工鲍里斯-拉特尼科夫接受俄罗斯《真理报》采访，自揭使用心电武器控制人类的内幕。

深入领导人“大脑中散步”

据《俄罗斯报》等媒体报道，冷战期间，美苏两国曾展开激烈的“精神战”，希望利用心灵感应影响对方领导人和社会意识，从而达到“不战而胜”的目的。在冷战期间的苏联，克格勃成立了将近50个心理遥控研究所和一支极度保密的“精神特工队”，其财政投入高达数十亿卢布，成千上万的研究人员在力图开发这一神奇武器。尽管当时的研究工作并没有取得多大进展、相关工作在苏联解体之后也全部中断，但“精神特工队”在叶利钦担任总统期间屡建奇功。

在20世纪70年代，苏联克格勃还发展了心电影响系统(PIS)，它被用于把士兵变成可设计的‘人类武器’。系统运用混合了高频无线电波和催眠术。根据前苏联总统戈尔巴乔夫的前安全顾问的余里马林(Yuri Malin)表示，心电影响系统计划是在回应由美国前总统卡特发起的类似计划。

在此基础上打造的俄联邦“精神特工队”则是心电影响技术的顶级高手。据这支队伍的鲍里斯-拉特尼科夫

(Boris Ratnikov) 将军透露，他们的任务就是深入国家领导人的精神或内心世界，保护本国领导人思维不受他人控制，并探知他国领导人在想些什么。

现年62岁的鲍里斯拉特尼科夫少将曾是克格勃特工，两度进入阿富汗从事情报工作。苏联解体后，他担任过俄联邦警卫总局副局长、总统安全局总顾问、联邦安全局局长顾问等职，主要负责保护国家领导人的“精神安全”。拉特尼科夫说：“我们清楚，新国家的形成要经历一个‘病痛阶段’。和人一样，国家机体生病时也会非常脆弱。因此，需要使用任何可能的手段，保护一号人物的意识不受外来操控。我们基本上做到了这点。”

在负责本国领导人安全的同时，还时刻扫描美国领导人大脑在想什么。拉特尼科夫说：“我们能在美国总统及其亲信‘大脑中散步’，并提供了只有美国一号人物才知道的情报。”比如，上世纪90年代初期，“精神特工队”对美国驻俄新大使进行了“研究”，得出美国大使馆有心理影响设备的结论以及一些其他情况。在北约1999年3月24日对南联盟实施空中打击前两周，俄“精神特工”成功侵入美国国务卿奥尔布赖特的大脑，对她的潜意识进行了“扫描”。

[上一页](#) [1](#) [2](#) [3](#) [下一页](#)

[进入环球论坛相关版块](#)

[\[我来说两句\]](#) [\[发送给好友\]](#) [\[打印\]](#) [\[大 中 小\]](#) [\[关闭\]](#)

热图推荐

中国日报网.jpg

12.特工说九几年俄总统意识被控制

2007年1月3号《青年参考》(中国青年报旗下国际资讯类周报，中国青年报是共青团中央机关报)一篇文章《俄罗斯有支“精神特工队”》报道过如下内容(中青在线(中国青年报官网)也发表过类似内容)：在谈到“精神特工队”的具体工作时，拉特尼科夫披露了一些鲜为人知的事实，其中最重要的是阻止了有人通过意念诱使叶利钦在领土问题上让步、将南千岛群岛(日本称“北方四岛”)交给日本的企图，进而粉碎了他们挑拨俄罗斯对中国开战的阴谋。拉特尼科夫说：“我们阻止了叶利钦对日本的首次访问。按照原先的安排，访问应在1992年进行。但是我们了解到，**总统的意识受到很强的‘程序控制’，目的是让他把南千岛群岛交给日本。**”拉特尼科夫说，在这些岛屿被交给日本之后，中国也可能会要求俄罗斯归还争议领土。事件的发展最终可能导致武装冲突。

解读内容：那么意思就是九几年就能控制人意识了。



中青在线-叶利钦意识被控制.png

21:21 VPN    5G  59

俄罗斯有支“精神特工队”



青年参考

2007.01.03 16:54

+关注

在美国领导人“大脑中散步”？

[GitHub.com/weiranyi](https://weiranyi.github.io)

据俄《俄罗斯报》报道，在20世纪末期，俄罗斯有一支“精神特工队”，研究利用心灵感应的方式去影响对方领导人的意识，从而达到“不战而胜”的目的。这支队伍因为处于极度保密状态，外界所知甚少。不过，此报道的可信度有多大，也受到一些人的质疑。编译在此，仅供参考。

雷怀 / 编译

“精神特工”负责

领导人精神安全

现年62岁的鲍里斯·拉特尼科夫少将曾是克格勃特工，两度进入阿富汗从事情报工作。苏联解体后，他担任过俄联邦警卫总局副局长、总统安全局总顾问、联邦安全局局长顾问等职，主要负责保护国家领导人的“精神安全”。日前，他接受俄政府所属《俄罗斯报》专访，首次披露了“精神特工队”的秘密。

自古以来，人类就对精神作用表现出极大的兴趣，人们总是试图利用各种手段影响他人的意志。进入20世纪，对古代法师魔法实践的研究也进入了科学阶段，这立即引起了英国、德国和苏联特工部门的关注，一场不见硝烟的特殊战争——“精神特工战”随之悄然拉开。

在当年的苏联，克格勃把所有拥有特异功能

的人控制起来，并且成立了将近50个心理遥控研究所，其财政投入高达数十亿卢布。尽管当时的研究工作并没有取得多大进展、相关工作在苏联解体之后也全部中断，俄联邦警卫局还是组建了一支特殊的“精神安全部队”，并在叶利钦担任总统期间屡建奇功。

拉特尼科夫说：“我们清楚，新国家的形成要经历一个‘病痛阶段’。和人一样，国家机体生病时也会非常脆弱。因此，需要使用任何可能的手段，保护一号人物的意识不受外来操控。我们基本上做到了这点。”

拉特尼科夫还保证，自己的部门从未试图操控国家。他说：“我可以拍胸脯保证，我们从没有控制叶利钦总统的意识，也没有试图控制科济列夫(外长)和盖达尔(代总理)”。

粉碎列强

挑起俄中战争阴谋

在谈到“精神特工队”的具体工作时，拉特尼科夫披露了一些鲜为人知的事实，其中最重要的是阻止了有人通过意念诱使叶利钦在领土问题上让步、将南千岛群岛(日本称“北方四岛”)交给日本的企图，进而粉碎了他们挑拨俄罗斯对中国开战的阴谋。

拉特尼科夫说：“我们阻止了叶利钦对日本的首次访问。按照原先的安排，访问应在1992年进行。但是我们了解到，总统的意识受到很强的‘程序控制’，目的是让他把南千岛群岛交给日本。”

拉特尼科夫说，在这些岛屿被交给日本之后，中国也可能会要求俄罗斯归还争议领土。事件的发展最终可能导致武装冲突。

拉特尼科夫表示，现在发生冲突的可能性已

经不大，但14年前这种危险是非常现实的。在这种情况下，俄联邦警卫局拒绝给叶利钦访日提供个人安全保障，安全会议于是建议他推迟访问。叶利钦当时虽然非常生气，但还是被迫接受了这一安排。

对于“精神特工队”是否夸大这种担忧的问题，拉特尼科夫将军肯定地回答说，我们的情报非常可靠，因为它们的“提供者”都是西方国家领导人。他说，苏联成功研制出了“意识扫描”设备，俄罗斯又将其发扬光大，“一点儿也不开玩笑地说，美国和西欧国家的一号人物们，不自觉地成为了我们的情报人员。”

可在美国领导人

“大脑中散步”？

上世纪90年代初，美国中情局一位专家曾

与拉特尼科夫会晤，表示美专门培训的特异功能人员，能对俄核潜艇乘员活动及艇上战略武器全面监控，并且拿出证据证明俄核潜艇对美国没有任何秘密可言。

拉特尼科夫回答说：“‘透视’核潜艇固然给人印象深刻，但我们能在美国总统及其亲信的‘大脑中散步’，并提供了只有美国一号人物才知道的情报。”中情局专家与自己人取得联系之后，立即表示：“我们为什么要彼此隐瞒？让我们友好相处，互换情报吧。”

拉特尼科夫强调，俄现在已能通过扫描美国领导人脑，解读他们在想什么。上世纪90年代初期，“精神特工队”对美国驻俄新大使进行了“研究”，得出美国大使馆有心理影响设备的结论以及一些其他情况。在北约1999年3月24日对南联盟实施空中打击前两周，俄“精神特工”成功侵入美国国务卿奥尔布赖特的大脑，对她的潜意识进行了“扫

描”。拉特尼科夫没有详细描述奥尔布赖特当时都想了些什么，但是指出了空袭开始后得到验证的重要因素。

“首先，我们在奥尔布赖特女士的意识中发现了斯拉夫人的仇恨心理。让她更为气愤的是，俄罗斯拥有世界最大储量的有用矿藏。在她看来，这些矿藏未来不应该由一个国家、而应在美国的监管下由全人类拥有。科索沃战争只是她确立对俄控制权的第一步骤。

其次，奥尔布赖特的意识显示，美军将在南斯拉夫使用某种化学与生物混合、具有放射性的武器。后来查明，美国人使用了一种化学物质，可以在几分钟内改变血细胞结构。受到这种武器作用的人，可能因为任何小病丧命；美国空军还使用了贫铀弹，而‘战斧’导弹含有放射性碘，这种物质虽能在一个月內分解，但是在此期间，却会对人体健康和

自然环境造成严重伤害。”

拉特尼科夫表示，俄、美和其他国家已在最低限度上拥有“精神武器”，只是它的使用非常危险，在得到希望的结果同时，也会对下令者及执行者的健康带来难以预见的威胁，甚至导致他们失去生命。总之，人类在侵入他人意识领域方面所掌握的能力还非常有限，不值得为此开生命玩笑。

《青年参考》.jpg

青岛新闻网（前身为青岛日报电子版，始建于1998年7月，由青岛日报报业集团和青岛新闻网络传播有限公司主办）于**2005-01-09**报道：1月8日，俄罗斯《真理报》和《共青团真理报》披露，**冷战时期流传着这样一种说法：未来战争的胜利者将是拥有心灵感应技术和特异功能武器的国家。**从20世纪60年代开始，美苏两国便展开了一场没有硝烟的“精神特工战”，直到普京上台才算画了一个句号。不为人知的是，俄联邦安全局（其前身为克格勃）前高官尤里·马林日前披露，在叶利钦执政期间，俄联邦安全局特别成立了一个神秘的“精神安全部”，该机构的职能就是，防范俄高层领导人的精神意志受到一些外来辐射以及“超自然能力”的干扰。

解读内容：注意“直到普京上台才算画了一个句号”这句话可能存在时效性，因为新闻日期是2005年，时间在变，人也可能变

0:23  ...

VPN  5G  5G  62



俄罗斯高官爆美俄精神战内幕：美...

...

www.qingdaonews.com

俄罗斯高官爆美俄精神战内幕：美国曾企图遥控叶利钦

青岛新闻网 2005-01-09 06:59:58 新京报

[返回首页](#) [挑战](#) [评论](#) [【大 中 小字】](#) [推荐](#) [【打印】](#) [【关闭】](#)

GitHub.com/weiranyi

叶利钦每当感觉胸口疼痛和失眠时，便会头戴这种头盔，接受“超感官治疗”。

1月8日，俄罗斯《真理报》和《共青团真理报》披露，冷战时期流传着这样一种说法：未来战争的胜利者将是拥有心灵感应技术和特异功能武器的国家。从20世纪60年代开始，美苏两国便展开了一场没有硝烟的“精神特工战”，直到普京上台才算画了一个句号。不为人知的是，俄联邦安全局（其前身为克格勃）前高官尤里·马林日前披露，在叶利钦执政期间，俄联邦安全局特别成立了一个神秘的“精神安全部”，该机构的职能就是，防范俄高层领导人的精神意志受到一些外来辐射以及“超自然能力”的干扰。

叶利钦办公室发现“意念遥控器”

尤里·马林由于在“人类意识控制”领域的精深造诣被吸收进克格勃，在叶利钦时期又成为俄罗斯联邦安全局的顾问，一度被圈内人士誉为叶利钦的“精神卫士”。

据尤里·马林透露：“上世纪90年代，俄罗斯国内大约有20个进行超感官现象研究的协会，它们曾经研制出许多超感官装置，试图对人的脑电波进行控制。与此同时，情报部门得到消息称，美国可能已制造出一种可以调节信号的辐射发射器，通过这种发射器操纵者就能够在数千公里之外影响甚至遥控一个人的意识乃至行为举止。除此之外，美国一些具备特异功能的人士还能制造出一些‘超感官特殊装备’，借以影响人们的神经系统，达到扰乱正常心神的目的……在获悉这些惊人消息之后，我立刻命令手下对叶利钦总统办公室进行彻底检查，以防有人利用这一高科技做出对总统不利的事来。”令人惊讶的是，马林果真在总统办公室里发现了一枚这样的“意念遥控器”。

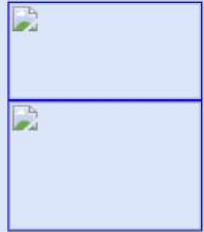
5亿卢布打造“精神安全部”

马林说，当叶利钦得知此事后异常震惊。随后，按照叶利钦政府的命令，俄联邦安全局斥资5亿卢布，成立了一支神秘队伍——“精神安全部”，专门对付那些利用“非常规技术”操纵人类意志的潜在威胁。

尤里·马林回忆道：“我认识很多从事意念遥控研究的人士，而且我确信确实已经有人研制出一些足以让正常人心神错乱的装置。我们之所以设立这样一个特殊部门，就是为了要控制、监督并限制这样的‘大规模控制武器’，以防敌人暗中实施‘远程意念控制’。那些身居要职的高官们意识到，一旦被那些拥有超感官能力的人盯上，自己随时都有可能变成任人控制的傀儡，或者精

无法加载图片。

无法加载图片。



无法加载图片。

神错乱的魔鬼。”

连一颗纽扣都不能放过

据报道，在叶利钦时期，叶利钦的一举一动都要接受精神安全部特工的严密关注，就连其衬衫纽扣少掉一颗这样的细节也不容放过。因为在这些“精神特工”看来，那些具备超感官能力的人士完全能够借助叶利钦身上的任何东西来对其进行控制。

马林回忆说：“在1996年俄罗斯总统大选之前，也曾有人用过这样的超感官装置。我手上有一份日期为1995年12月16日的文件，这份文件列出了一系列超感官安保服务的价目表。按照那份文件的记载，当时每名选举代表用于超感官安保方面的花费每个月至少为3000美元。此外，每名选举代表还得另外破费2000美元用于聘请‘魔法师’蛊惑当地选民向他投支持票。当时最便宜的服务是选举代表助手在公众场合所使用的一种超感官装置，但是每小时的收费竟然也高达150美元。”

但是，普京上台之后撤消了精神安全部。马林担心：“在最近的乌克兰大选中，美国人极可能曾悄悄地运用意念控制技术来干扰大选结果。”（袁海）

责任编辑：屠筱茵

青岛新闻网-精神控制武器.png

13.苏联远控思维可追溯上世纪50年代

人民网《脑控武器，让敌人自相残杀》(本刊特约记者 | 柳玉鹏 《环球人物》(2012年第12期))：俄罗斯《共青团真理报》4月9日报道在**上世纪50年代**，**苏联**就秘密开始了**远程控制人的思维方面的研究，并取得了一定的成果。**

解读内容：这个消息（2021年）和中国日报网的信息（2007年）有关联，存在一定相互印证



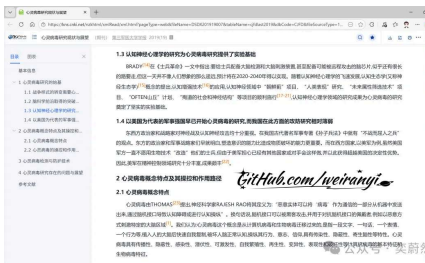
《脑控武器，让敌人自相残杀》.png

14.生物技术控脑方向

陆军军医大学冯正直相关文章《心灵病毒研究现状与展望》：**心灵病毒**（psycho-virus）是一种通过文字、表情或行为等载体植入人脑的神经感染体，可自主复制并破坏认知功能，具有操控个体行为、意志及信仰的特性。其概念由THOMAS提出，后经神经科学家RAO融合计算机病毒与生物病毒特征定义，包含传播性、变异性及潜伏性等复合属性。目前以美国为首的军事强国主导相关研究，重点开发脑机接口、微传感器识别脑活动等技术，计划于2020-2040年实现突破(另一篇文章写的2020-2040得以实现)。



心灵病毒（陆军军医大学报。
2019）.png



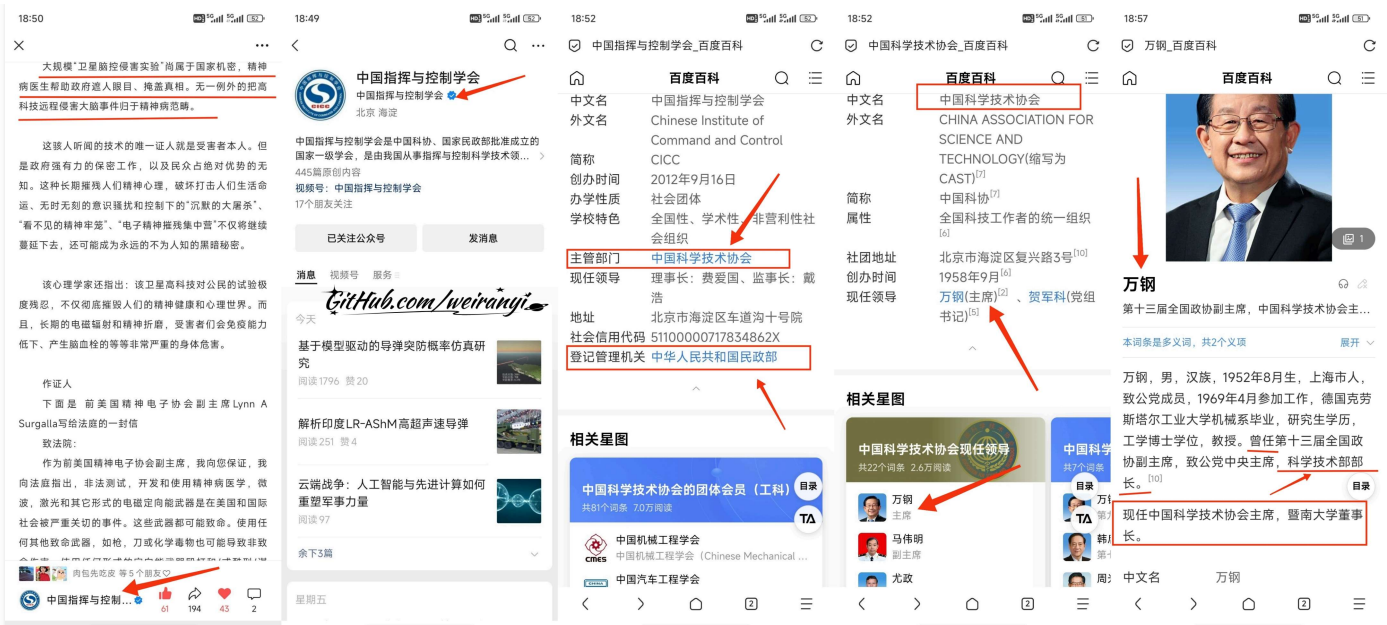
心灵病毒2020-2040得以实现.png



百度百科-心灵病毒.png

15.其他线索

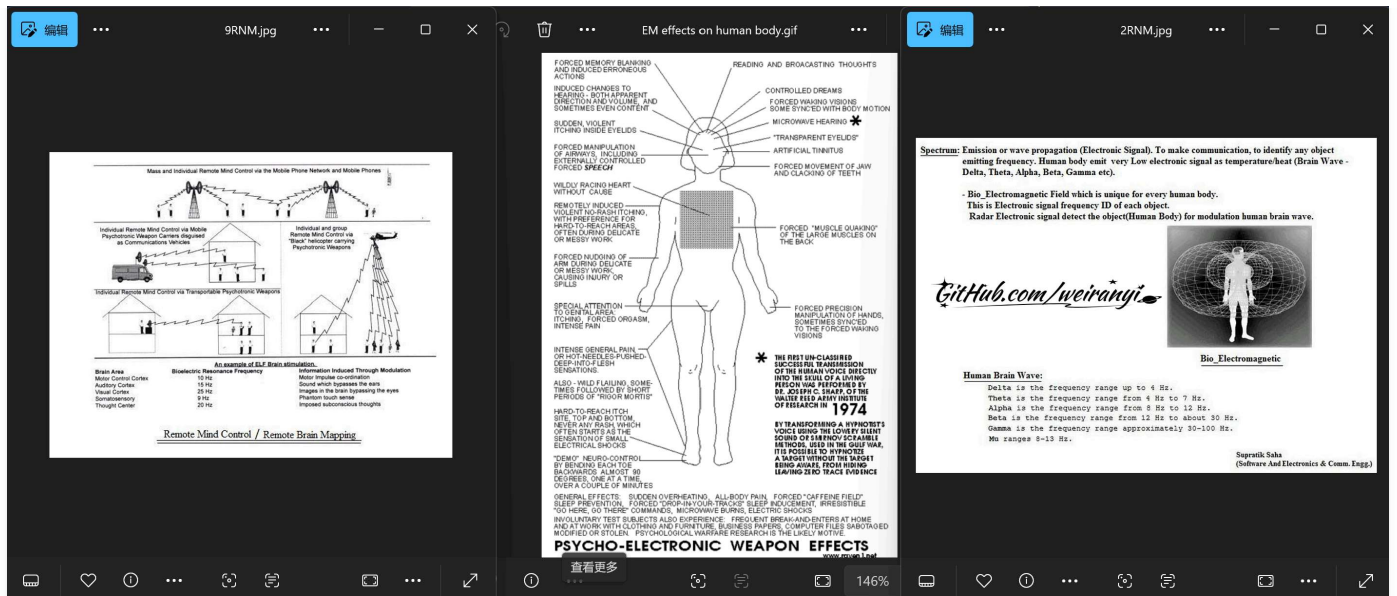
15.1 中国指挥与控制学会



中国指挥与控制学会.png

15.2 MuckRock非营利的协作新闻网站爆料内容 MuckRock非营利的协作新闻网站（网站介绍MuckRock是提供保持政府透明和问责的工具）一篇文章《Washington State Fusion Center accidentally releases records on remote mind control》（Written by Curtis Waltman, April 18, 2018）写了这么一段内容：当你发送成千上万份信息自由法请求时，难免会时不时收到一些非常奇怪的回复。最近，我们MuckRock发生了迄今为止最离奇的事件之一——华盛顿州融合中心意外泄露了关于远程心灵控制影响的记录。作为我持续调查融合中心对Antifa及各白人至上主义团体调查的项目的一部分，我向WSFC提交了请求。我收到了许多标准文件，包括电子邮件、情报简报和公告，还有其他聚变中心的转发——还有一个文件名为“EM effects on human body.zip”。

解读内容：网站作者声称通过美国信息自由法请求，收到奇怪的回复，华盛顿州融合中心意外泄露了关于远程心灵控制影响的记录，文件EM effects on human body.zip有3张图，其中一张图中有这句话Radar Electronic signal detect the object(Human Body) for modulation human brain wave.（雷达电子信号探测人体目标，用于调制人类脑电波。），前面提及中国军网介绍的日本专利，专利也提及雷达，认为雷达波可以窃取人对话和思维。猜测这份文件可能是V2K群体的



雷达电子信号探测人体目标，用于调制人类脑电波.png

MuckRock网站原文截图如下，原文链接是：

<https://www.muckrock.com/news/archives/2018/apr/18/fusion-center-em/>

9:16 VPN  5G  5G   63

Washington State Fusion Ce

**MUCKROCK**

April 18, 2018

Washington State Fusion Center accidentally releases records on remote mind control

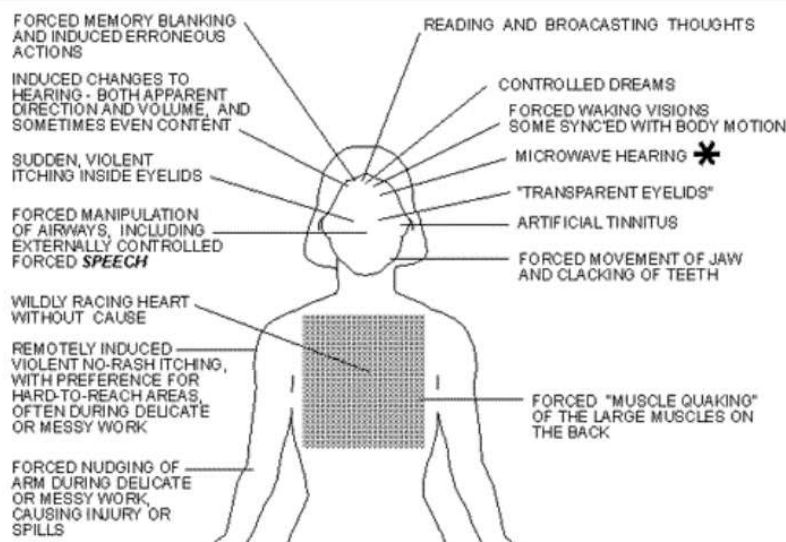
As part of a request for records on Antifa and white supremacist groups, WSFC inadvertently bundles in “EM effects on human body.zip”

Written by [Curtis Waltman](#)Edited by [JPat Brown](#)

When you send thousands of FOIA requests, you are bound to get some very weird responses from time to time. Recently, we here at MuckRock had one of our most bizarre gets yet - Washington State Fusion Center's accidental release of records on the effects of remote mind control.

As part of my ongoing project looking at fusion centers' [investigations into Antifa and various white supremacist groups](#), I filed [a request with the WSFC](#). I got back many standard documents in response, including emails, intelligence briefings and bulletins, reposts from other fusion centers - and then there was one file titled "[EM effects on human body.zip](#)."

Hmmm. What could that be? What does EM stand for and what is it doing to the human body? So I opened it up and took a look:

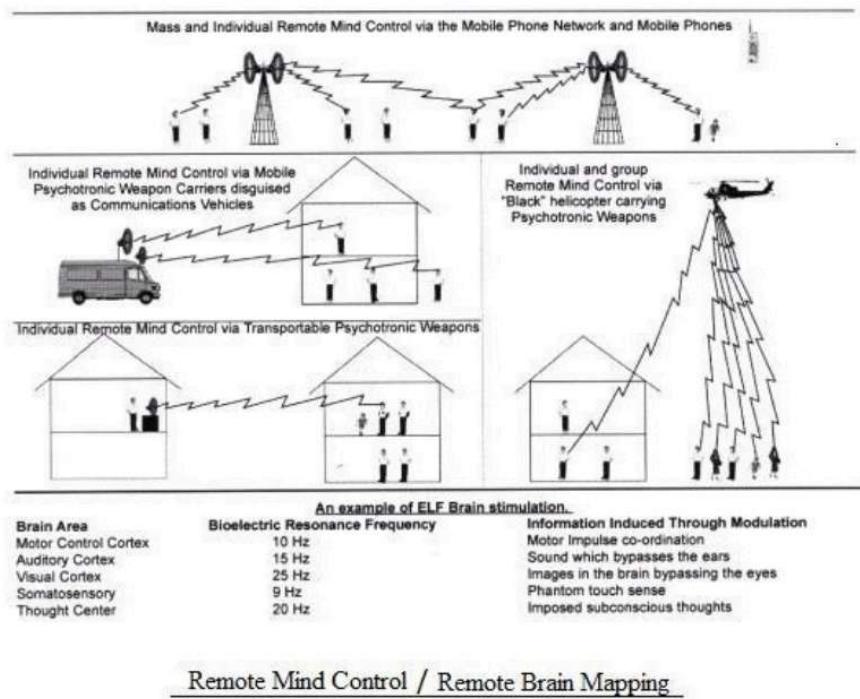




Hell yeah, dude. *GitHub.com/weiranyi*

EM stands for electromagnetic. What you are looking at here is “psycho-electronic” weapons that purportedly use electromagnetism to do a wide variety of horrible things to people, such as reading or writing your mind, causing intense pain, “rigor mortis,” or most heinous of all, itching.

Now to be clear, the presence of these records (which were not created by the fusion center, and are not government documents) should not be seen as evidence that DHS possesses these devices, or even that such devices actually exist. Which is kind of unfortunate because “microwave hearing” is a pretty cool line of technobabble to say out loud.



You know what's even cooler? "Remote Brain Mapping." It is insanely cool to say. Go ahead. Say it. Remote. Brain. Mapping.

Just check the detail on these slides too. The black helicopter shooting off its psychotronic weapons, mapping your brain, broadcasting your thoughts back to some fusion center. I wish their example of "ELF Brain stimulation" was a little clearer though.

Spectrum: Emission or wave propagation (Electronic Signal). To make communication, to identify any object emitting frequency. Human body emit very Low electronic signal as temperature/heat (Brain Wave - Delta, Theta, Alpha, Beta, Gamma etc).

- Bio_Electromagnetic Field which is unique for every human body.
This is Electronic signal frequency ID of each object.
Radar Electronic signal detect the object(Human Body) for modulation human brain wave.





Bio_Electromagnetic

Human Brain Wave:

Delta is the frequency range up to 4 Hz.
Theta is the frequency range from 4 Hz to 7 Hz.
Alpha is the frequency range from 8 Hz to 12 Hz.
Beta is the frequency range from 12 Hz to about 30 Hz.
Gamma is the frequency range approximately 30-100 Hz.
Mu ranges 8-13 Hz.

Supratik Saha
(Software And Electronics & Comm. Engg.)

It's difficult to source exactly where these images come from, but it's obviously not government material. One seems to come from a person named "Supratik Saha," who is identified as a software engineer, the brain mapping slide has no sourcing, and the image of the body being assaulted by psychotronic weapons is sourced from raven1.net, who apparently didn't renew their domain.

It's entirely unclear how this ended up in this release. It could have been meant for another release, it could have been gathered for an upcoming WSFC report, or it could even be from the personal files of an intelligence officer that somehow got mixed up in the release. A call to the WSFC went unreturned as of press time, so until we hear back, their presence remains a mystery.

We'll keep you updated once we hear back and you

we'll keep you updated once we hear back, and you can download the files yourself on [the request page](#).

Image via [Howco International](#)

TAGS

- fusion centers
- homeland security
- washington
- electromagnetic
- mind control
- antifa
- oops
- psychotronic

RELATED REQUESTS

Completed

25 files

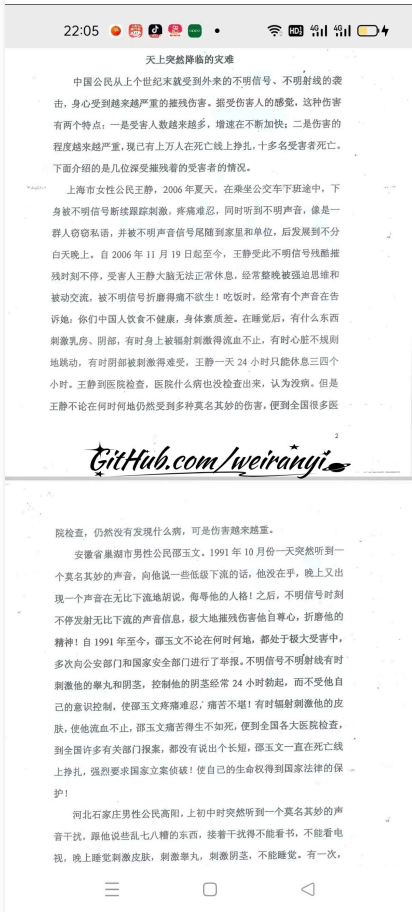
Antifa and White Supremacist Groups (Fusion Center)

Curtis Waltman sent this request to the [Washington State Fusion Center of Washington](#)



MuckRock.png

解读内容：和 MuckRock非营利的协作新闻网站 分享的华盛顿州融合中心文件有症状对上



天上突然降临灾难.png

东南大学检测文件-脑电受外界干扰.png

16.媒体报道的脑控

16.1 贵州卫视《亮剑》 20110925 “谁控制了他们的大脑？”

(1) 男的女的声音都有，声音诱导自杀，24小时传音，不分地点在哪，其中一位农民工怀疑对方用的是脑控仪



男女两个声音.png

诱导自杀.png

24小时都能听到.jpg

不分地点在哪.jpg

无法安睡.jpg

怀疑是脑控仪.jpg

(2) 云南边际奎阳村村民曾少权遇到这种情况半年就死了



云南边际奎阳村村民-曾少权-遇到这事半年死了.png



云南边际奎阳村村民-曾少权-遇到这事半年死了.png

16.2 湖南经视报道的脑控

(1) 传音特征：在大脑里面男女两个声音，不分昼夜



男女两个声音.png



声音在大脑里.png



不分昼夜.png

(2) 可以思维对话



读取思维活动.png



湖南经视-灌输思维.png



湖南经视-思维对话.png

(3) 自称被脑控的有想自杀的，根据报道看当年的脑控QQ群有500人



湖南经视-想自杀.png



脑控群500人.png

16.3 CCTV7军事科技2008年第47期

(1) 讲脑控武器，但说是控制人思想的

解读内容：提及控制思想，应该称为控脑武器



军事科技2008-47-1.png



军事科技2008-47-2.png

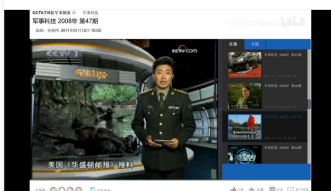


军事科技2008-47-3.png



军事科技2008-47-4.png

(2) 美国《华盛顿邮报》爆料：美国的“脑控反恐特工”活跃在伊拉克、阿富汗、苏丹和全球其他地方



军事科技2008-47-5.png



军事科技2008-47-6.png



军事科技2008-47-7.png



军事科技2008-47-8.png

(3) 被秘密选择的受试者，都会受到这种“神秘武器”发出的含有化学和生物刺激的放射性影响



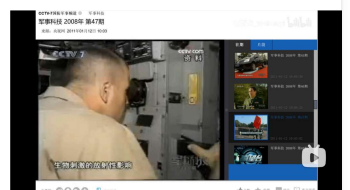
军事科技2008-47-9.png



军事科技2008-47-10.png



军事科技2008-47-11.png



军事科技2008-47-12.png

(4) 时间长了，会让受测者社交孤立，免疫力下降，进而导致各种疾病甚至死亡



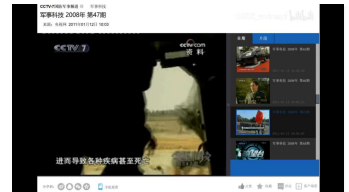
军事科技2008-47-13.png



军事科技2008-47-14.png



军事科技2008-47-15.png



军事科技2008-47-16.png

16.4 CCTV7防务新观察-微波武器

《防务新观察》20120415：低频波能够影响人类脑细胞，甚至可能传输心理暗示。高频波则可损伤内脏，控制目标行为，驱使其自杀。冷战期间，美国大使馆曾被照射，大使要不头疼、要不牙齿脱落、要不脱发、要不消化功能紊乱。



CCTV7防务新观察-微波1.jpg



CCTV7防务新观察-微波2.jpg



CCTV7防务新观察-微波3.jpg



CCTV7防务新观察-微波4.jpg



CCTV7防务新观察-微波5.jpg



CCTV7防务新观察-微波6.jpg



CCTV7防务新观察-微波7.jpg



CCTV7防务新观察-微波8.jpg



CCTV7防务新观察-微波9.jpg



CCTV7防务新观察-微波10.jpg



CCTV7防务新观察-微波11.jpg



CCTV7防务新观察-微波12.jpg



CCTV7防务新观察-微波13.jpg



CCTV7防务新观察-微波14.jpg



CCTV7防务新观察-微波15.jpg

16.5 澎湃新闻，李旭东自杀前声称被脑控

郑州铁路职业技术学院一名教师（李旭东）在校内坠亡，学校回应：他自称被“脑控”了



郑州教师李旭东自杀前声称被脑控.png

16.6 林瑞雄被电磁波攻击



林瑞雄-电磁波攻击1.jpg



林瑞雄-电磁波攻击2.jpg

17.漫画

V2K颅内传音 睡眠剥夺 精神干扰



今日我箬冷眼旁观，
他日祸临己身
则无人为我摇旗呐喊

weiranyi.github.io

V2K呐喊.png

控脑 Havana Syndrome 脑干扰 心灵病毒

© LICENSED UNDER CC BY-NC-SA 4.0

© 2020 - 2026 github.com/weiranyi

使用 Hugo 构建
主题 **Stack** 由 Jimmy 设计